

# Form



## Data form for critical components and material information

|                                                |                                                                                                                                                                                                                                                                                 |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant name and address..... :              | Sunshare Technology Co.,Ltd.<br>(CBW No.: 127292)<br>2nd Floor, Building A, No.2999 Jiyin Avenue, Jiangning District, 211100 Nanjing City, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA                                                                                         |
| Manufacturer name and address . :              | Sunshare Technology Co.,Ltd.<br>(CBW No.: 127292)<br>2nd Floor, Building A, No.2999 Jiyin Avenue, Jiangning District, 211100 Nanjing City, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA                                                                                         |
| Name and address of factory / factories..... : | Newway Energy Co.,LTD.<br>(CBW No.: 124505)<br>Building D5, Industrial Workshop Standard Factory, Hutang Science and Technology Industrial Park, Hutang Town, Wujin District, 213162 Changzhou City, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA                               |
| Project-No./Report-No. .... :                  | 704062474201-00                                                                                                                                                                                                                                                                 |
| Test item description..... :                   | See the corresponding test report                                                                                                                                                                                                                                               |
| Model/Type reference ..... :                   | 182.2 × 61.25(mm) N-Type cell modules:<br>76 cells module:<br>a) SR-MxxxT-64 (xxx=190 to 200, in steps of 5)<br><br>182.2 × 91.875(mm) N-Type cell modules:<br>72 cells module:<br>b) SR-MxxxT-66 (xxx= 275 to 285, in steps of 5)<br>xxx stands for rated output power at STC. |
| Device type ..... :                            | Mono-crystalline Silicon Photovoltaic (PV) Module                                                                                                                                                                                                                               |

|                             |                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ratings ..... :             | See below electrical parameter table                                                                                                                                                 |
| Overvoltage category..... : | <input type="checkbox"/> I / <input type="checkbox"/> II / <input checked="" type="checkbox"/> III / <input type="checkbox"/> IV / <input type="checkbox"/> N/A                      |
| Pollution degree ..... :    | <input checked="" type="checkbox"/> 1 / <input type="checkbox"/> 2 / <input type="checkbox"/> 3 / <input type="checkbox"/> 4 / <input type="checkbox"/> N/A                          |
| Class of protection..... :  | <input type="checkbox"/> Class I (PE connected)<br><input checked="" type="checkbox"/> Class II (isolated)<br><input type="checkbox"/> Class III<br><input type="checkbox"/> Others: |

Project-No.: 704062474201  
Revision:00  
Date: 2024-12-02  
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TÜV SÜD Certification and Testing (China) Co., Ltd.  
Shanghai Branch  
3-13F, No. 151 Heng Tong Road Shanghai, P.R. China  
Name of Project Handler: Meng Wang



# Form



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|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                      | <input type="checkbox"/> N/A                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product with functional earthing<br>..... :                          | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> N/A                                                                                                                                                                                                                                                                                                                                                                         |
| Environmental conditions / Maximum ambient temperature (°C)..... :   | -40~+70                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Equipment mobility / Classification of installation and use..... :   | <input type="checkbox"/> transportable / <input type="checkbox"/> portable / <input type="checkbox"/> stationary /<br><input type="checkbox"/> mobile / <input type="checkbox"/> fixed / <input checked="" type="checkbox"/> permanently installed /<br><input type="checkbox"/> hand-held / <input type="checkbox"/> body-worn / <input type="checkbox"/> building-in /<br><input checked="" type="checkbox"/> Others: ≤2000 m above sea level |
| Overall size of equipment (mm)..... :                                | a): 1236 x 766 x 30 [mm]<br>b): 1166 x 1134 x 30 [mm]                                                                                                                                                                                                                                                                                                                                                                                           |
| Mass of equipment (kg)..... :                                        | a) 7.5 kg (approx)<br>b) 9.7 kg (approx)                                                                                                                                                                                                                                                                                                                                                                                                        |
| Data communication ports:<br><input checked="" type="checkbox"/> N/A |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Wired ports ..... :                                                  | <input checked="" type="checkbox"/> N/A <input type="checkbox"/> USB <input type="checkbox"/> LAN <input type="checkbox"/> DALI<br><input type="checkbox"/> other:                                                                                                                                                                                                                                                                              |
| Wireless ports ..... :                                               | <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Wifi <input type="checkbox"/> Bluetooth <input type="checkbox"/> NFC <input type="checkbox"/> 4G/LTE <input type="checkbox"/> 5G<br><input type="checkbox"/> Other:                                                                                                                                                                                                            |
| Data Storage/ Processing ..... :                                     | <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Local <input type="checkbox"/> Cloud                                                                                                                                                                                                                                                                                                                                           |

|                                                                                                                                      |                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional<br>IEC 60601-1 / EN 60601-1 / ANSI/AAMI ES60601-1 / CAN/CSA-C22.2 No. 60601-1:<br><input checked="" type="checkbox"/> N/A |                                                                                                                                                                            |
| Applied part type ..... :                                                                                                            | <input type="checkbox"/> B <input type="checkbox"/> BF <input type="checkbox"/> CF <input type="checkbox"/> Defibrillation-Proof <input checked="" type="checkbox"/> No AP |
| Software Version..... :                                                                                                              | N/A                                                                                                                                                                        |

General product information and other remarks:

## Data form for critical components and material information

|                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|-----------------------------|--------|-----------------------------|-------|----------------------------|-------------|-----------------------------|------------|---------------------|-----|------------------------|---------|-----------------|-------|------------------|-----------------|------------------|-----|--------------|----------|----------------|--------------|-----------------------|--------------------|--------|--------|------------------|---------------|----------------------------------------------------------------|--|
| Main label / Warning Markings:                                 | <p>Model Type: SR-M200T-64 <b>SUNSHARE®</b></p> <table border="0"> <tr><td>Maximum Power(Pmax)</td><td>200 W(±3%)</td></tr> <tr><td>Maximum Power Voltage (Vmp)</td><td>45.88V</td></tr> <tr><td>Maximum Power Current (Imp)</td><td>4.36A</td></tr> <tr><td>Open-Circuit Voltage (Voc)</td><td>55.10V(±5%)</td></tr> <tr><td>Short-Circuit Current (Isc)</td><td>4.58A(±3%)</td></tr> <tr><td>Maximum Series Fuse</td><td>28A</td></tr> <tr><td>Maximum System Voltage</td><td>1000VDC</td></tr> <tr><td>Power Selection</td><td>0~+5W</td></tr> <tr><td>Min. Design Load</td><td>+1600Pa/-1600Pa</td></tr> <tr><td>Module (T98) Max</td><td>70℃</td></tr> <tr><td>Safety Class</td><td>Class II</td></tr> <tr><td>Connector Type</td><td>M2-slim-abcd</td></tr> <tr><td>Connector Manufacture</td><td>NIU-Power Co., Ltd</td></tr> <tr><td>Weight</td><td>7.5 Kg</td></tr> <tr><td>Dimension(HxWxD)</td><td>1236*766*30mm</td></tr> <tr><td>STC:Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM=1.5</td><td></td></tr> </table> <p><b>WARNING:</b> Only qualified personnel should install or perform maintenance work on these modules. This unit produces electricity if exposed to light. Follow all applicable electrical safety precautions. Do not disconnect when loading.</p> <div style="display: flex; justify-content: space-around; align-items: center;">    </div> <p>Sunshare Technology Co., Ltd.<br/>Address: No.2999 Jiying Avenue, Jiangning District, Nanjing P. R. China<br/>Web: <a href="http://www.sunsharetek.com">http://www.sunsharetek.com</a><br/>E-Mail: <a href="mailto:service@sunsharetek.com">service@sunsharetek.com</a> <span style="float: right;">Made in China</span></p> | Maximum Power(Pmax) | 200 W(±3%) | Maximum Power Voltage (Vmp) | 45.88V | Maximum Power Current (Imp) | 4.36A | Open-Circuit Voltage (Voc) | 55.10V(±5%) | Short-Circuit Current (Isc) | 4.58A(±3%) | Maximum Series Fuse | 28A | Maximum System Voltage | 1000VDC | Power Selection | 0~+5W | Min. Design Load | +1600Pa/-1600Pa | Module (T98) Max | 70℃ | Safety Class | Class II | Connector Type | M2-slim-abcd | Connector Manufacture | NIU-Power Co., Ltd | Weight | 7.5 Kg | Dimension(HxWxD) | 1236*766*30mm | STC:Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM=1.5 |  |
| Maximum Power(Pmax)                                            | 200 W(±3%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Maximum Power Voltage (Vmp)                                    | 45.88V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Maximum Power Current (Imp)                                    | 4.36A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Open-Circuit Voltage (Voc)                                     | 55.10V(±5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Short-Circuit Current (Isc)                                    | 4.58A(±3%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Maximum Series Fuse                                            | 28A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Maximum System Voltage                                         | 1000VDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Power Selection                                                | 0~+5W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Min. Design Load                                               | +1600Pa/-1600Pa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Module (T98) Max                                               | 70℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Safety Class                                                   | Class II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Connector Type                                                 | M2-slim-abcd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Connector Manufacture                                          | NIU-Power Co., Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Weight                                                         | 7.5 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Dimension(HxWxD)                                               | 1236*766*30mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| STC:Irradiance 1000W/m², Cell Temperature 25℃, Air Mass AM=1.5 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Description of model differences:                              | See the corresponding test report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| General information / Intended use:                            | See the corresponding test report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Protective earth connection:                                   | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |
| Drawing(s) / Picture(s):                                       | See the corresponding test report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |            |                             |        |                             |       |                            |             |                             |            |                     |     |                        |         |                 |       |                  |                 |                  |     |              |          |                |              |                       |                    |        |        |                  |               |                                                                |  |

## Form



Product Service

### Data form for critical components and material information

Additional information:

Types of terminations:

Type A: wire of flying lead ☒  
Type B: tags, threaded stubs, screws, etc. ☐  
Type C: connector ☐  
Junction box ☒

Protection devices:

By-pass Diode ☒  
Fuse ☐  
Other ☐

Fire safety class according to UL790:

Class A ☐  
Class B ☐  
Class C ☒

Frame:

Framed ☒  
Frameless ☐

Designed mechanical load and safety factor:

Positive: 1600Pa,1.5  
Negative: 1600Pa,1.5

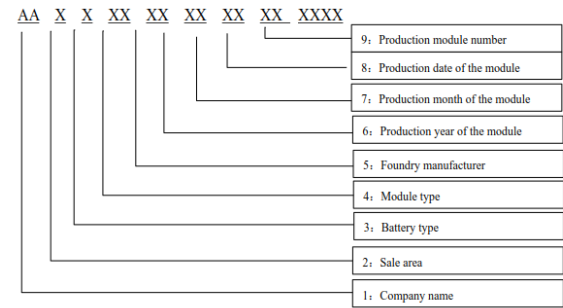
Module Design - Minimum Distances:

Between cells: 1.0 mm  
Between cell and edge of laminate: 12.0 mm;  
Between any current carrying part and edge of  
laminate: 12.0 mm



Data form for critical components and material information

Serial No.bar code:



| No. | Corresponding item | Description                                                                                                                                                                         |
|-----|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | AA                 | Relate to serial name<br>SM- SunShare module.....                                                                                                                                   |
| 2   | X                  | Relate to sales area<br>1- export to Europe<br>2- sale in China<br>3- experimental module<br>.....                                                                                  |
| 3   | X                  | Relate to the type of battery<br>1- PERC<br>2- Topcon<br>3- HJT<br>4- BC<br>.....                                                                                                   |
| 4   | XX                 | Relate to the type of module, first number is the row of battery, second number is the column of battery.<br>64- 6 row and 4 column<br>66- 6 row and 6 column<br>.....              |
| 5   | XX                 | Relate to Foundry manufacturer<br>01- Changzhou Newway Energy Co., Ltd.<br>02- Zhejiang Jiake New Energy Technology Co., Ltd.<br>.....                                              |
| 6   | XX                 | Relate to production year of the module, define as the last two numbers of production year + 18<br>42- produce in 2024 (24+18)<br>43- produce in 2024 (25+18)<br>.....<br>And so on |
| 7   | XX                 | Relate to production month of the module, define as the production month + 18<br>22- produce in April (04+18)<br>23-produce in May (05+18)<br>.....<br>And so on                    |
| 8   | XX                 | Relate to production date of the module, define as the production date + 18<br>20- 2 (02+18)<br>21- 3 (03+18)<br>.....                                                              |
| 9   | XXXX               | Relate to production running number of the module<br>01- First module of the production<br>02- Second module of the production<br>.....<br>And so on                                |



## Data form for critical components and material information

## Critical components and material information:

| Kind of component         | Manufacturer                                  | Mechanical, electrical and chemical specification                                                                                                                                                                                                                                                                                                                                                                    | Test report and/or mark from |
|---------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 1 cell                    | Chuzhou jietai new energy technology Co.,Ltd. | Cell type: CZJT-182M-16D1, 16bb, TOPCon type cell<br>Mono-Crystalline Silicon Solar cell<br>Cell dimensions: L x W: 182.2 x 61.25 (mm), 1/3 cut<br>Thickness: 130±10% (µm)<br>Cell area: 111.57 (cm²)<br><br>Cell type: CZJT-182M-16D1, 16bb, TOPCon type cell<br>Mono-Crystalline Silicon Solar cell<br>Cell dimensions: L x W: 182.2 x 91.875 (mm), 1/2 cut<br>Thickness: 130±10% (µm)<br>Cell area: 167.355 (cm²) | Tested with appliance        |
| 2 Superstrate             | IRICO Group New Energy Co., Ltd.              | Material: AR Coated Tempered Glass<br>Thickness: 1.6 (mm)                                                                                                                                                                                                                                                                                                                                                            | Tested with appliance        |
| 3 Substrate (Backsheet)   | Jolywood (Suzhou) Sunwatt Co., Ltd            | Type: FFC-JW3010plus<br>Material: FFC (EVA side)/PET/FFC (Air side)<br>Thickness: 0.12mm/0.285mm/0.13mm<br>Total Thickness: 0.310 (mm), black color                                                                                                                                                                                                                                                                  | Tested with appliance        |
| 4 Encapsulant             | Hangzhou First Applied Material Co., Ltd      | Type: TF4 (between glass and solar cell), POE<br>Thickness: 0.50±0.05mm                                                                                                                                                                                                                                                                                                                                              | Tested with appliance        |
|                           |                                               | Type: F806PS (between solar cell and rear cover), EVA<br>Thickness: 0.50±0.05mm                                                                                                                                                                                                                                                                                                                                      | Tested with appliance        |
| 5 Junction box            | NIU-Power(Suzhou) Corporation                 | Type: Q18L-plus(p=2 or 3, l=1 or 2, u=1 or 2, s=1 or 2)<br>Rated voltage =1500VDC<br>Rated current =13A                                                                                                                                                                                                                                                                                                              | TÜV SÜD B 082630 0026        |
| Potting Material          | Huitian New Materials Co., Ltd.               | Type: 5299W-S, black                                                                                                                                                                                                                                                                                                                                                                                                 | Tested with appliance        |
| Adhesive for junction box | Huitian New Materials Co., Ltd.               | Type: HT906Z, black                                                                                                                                                                                                                                                                                                                                                                                                  | Tested with appliance        |
| Cable                     | SUZHOU YONGHAO CABLE CO.,LTD                  | Type: 62930 131 1x4mm²/2x4mm²                                                                                                                                                                                                                                                                                                                                                                                        | TÜV SÜD B B0954640006        |
|                           | NIU-Power(Suzhou) Corporation                 | Type: 62930 131 1x4mm²/2x4mm²                                                                                                                                                                                                                                                                                                                                                                                        | TÜV SÜD B B1131210008        |
| Connector                 | Staubli Electrical Connectors AG              | PV-KST4-EVO2/xy_UR,<br>PV-KBT4-EVO2/xy_UR,<br>1500VDC,45A<br><br>PV-KST4-EVO2A/xy,<br>PV-KBT4-EVO2A/xy,                                                                                                                                                                                                                                                                                                              | TÜV Rheinland R60127169      |

# Form



Product Service

## Data form for critical components and material information

| Kind of component                                | Manufacturer                                     | Mechanical, electrical and chemical specification                                                                                | Test report and/or mark from    |
|--------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|                                                  |                                                  | 1500VDC,45A                                                                                                                      |                                 |
|                                                  | Staubli Electrical Connectors AG                 | PV-KST4/xy-UR,<br>PV-KBT4/xy-UR,<br>1000VDC,35A                                                                                  | TÜV Rheinland<br>R60127169      |
|                                                  | NIU-Power(Suzhou) Corporation                    | M2-slim-abcd,1000V DC,25A or 40A                                                                                                 | TÜV SÜD B 113121<br>0009        |
|                                                  | NIU-Power(Suzhou) Corporation                    | A4 Max,1500V,35A                                                                                                                 | TÜV SÜD B 113121<br>0002        |
|                                                  | Jiangxi Jinko PV Material Co.,Ltd.               | PV-JK03M2, 1500V,45A                                                                                                             | TÜV SÜD B<br>1131210008         |
| Bypass diode                                     | PAN JIT INTERNATIONAL INC                        | Type:<br>30SQ050,IF(AV) =30A, VRRM =50V,<br>Tj=200℃,150mil                                                                       | Tested with<br>appliance        |
| 6 Cell interconnector                            | Wuxi Mingxie Industrial Technology Co., Ltd.     | Coating: Sn60Pb40<br>Color: silvery<br>Cross section [mm]: 0.17*0.38mm<br>Coating thickness: 0.025±0.005mm                       | Tested with<br>appliance        |
| 7 String connector                               | Wuxi Mingxie Industrial Technology Co., Ltd.     | Dimension:0.30*4.0 (mm)<br>Color: black<br>Coating composition: Sn60Pb40 ,<br>Tu1(Cu≥99.95%)<br>Coating thickness: 0.025±0.005mm | Tested with<br>appliance        |
| 8 Fluxing material                               | Asahi Solder Technology (Wuxi) Co., Ltd.         | Type: SF105                                                                                                                      | Tested with<br>appliance        |
| 9 Frame                                          | Jiangsu Yuejia Metal Technology Co., Ltd.        | Aluminum profile 6005-T6,<br>black<br>cross section H x W: Long side 30x16mm<br>Short side 30x25mm                               | Tested with<br>appliance        |
| 10 Adhesive for frame                            | Huitian New Materials Co., Ltd.                  | Type: HT906Z, black                                                                                                              | Tested with<br>appliance        |
| 11 Insulation material between string connectors | N/A                                              | N/A                                                                                                                              | N/A or tested with<br>appliance |
| 12 Fixing tape                                   | 3M                                               | type: UV-1                                                                                                                       | Tested with<br>appliance        |
| 13 Label                                         | Anhui Mingcheng Intelligent Technology Co., Ltd. | Type: AT-E BA024                                                                                                                 | Tested with<br>appliance        |

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TÜV SÜD Certification and Testing (China) Co., Ltd.  
Shanghai Branch  
3-13F, No. 151 Heng Tong Road Shanghai, P.R. China  
Name of Project Handler: Meng Wang



## Data form for critical components and material information

## Electrical Parameter Table:

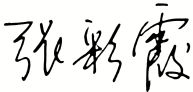
| Product Electrical Ratings at STC:         |             |             |             |  |  |
|--------------------------------------------|-------------|-------------|-------------|--|--|
| Module                                     | SR-M190T-64 | SR-M195T-64 | SR-M200T-64 |  |  |
| open-circuit voltage [V]: (tolerance)      | 53.43 ±5%   | 54.34 ±5%   | 55.10 ±5%   |  |  |
| short-circuit current [A]: (tolerance)     | 4.52 ±3%    | 4.56 ±3%    | 4.58 ±3%    |  |  |
| voltage at max. power [V]:                 | 44.19       | 44.94       | 45.88       |  |  |
| current at max. power [A]:                 | 4.30        | 4.34        | 4.36        |  |  |
| max. power [W]: (tolerance)                | 190 ±3%     | 195 ±3%     | 200 ±3%     |  |  |
| Maximum System Voltage [V]                 | 600 or 1000 | 600 or 1000 | 600 or 1000 |  |  |
| Maximum Over-Current Protection Rating [A] | 28          | 28          | 28          |  |  |
|                                            |             |             |             |  |  |
| Module                                     | SR-M275T-66 | SR-M280T-66 | SR-M285T-66 |  |  |
| open-circuit voltage [V]: (tolerance)      | 51.31 ±5%   | 51.77 ±5%   | 52.34 ±5%   |  |  |
| short-circuit current [A]: (tolerance)     | 6.85 ±3%    | 6.87 ±3%    | 6.88 ±3%    |  |  |
| voltage at max. power [V]:                 | 43.38       | 44.02       | 44.75       |  |  |
| current at max. power [A]:                 | 6.34        | 6.36        | 6.37        |  |  |
| max. power [W]: (tolerance)                | 275 ±3%     | 280 ±3%     | 285 ±3%     |  |  |
| Maximum System Voltage [V]                 | 600 or 1000 | 600 or 1000 | 600 or 1000 |  |  |
| Maximum Over-Current Protection Rating [A] | 28          | 28          | 28          |  |  |

Form

Data form for critical components and material information



Signature of the Certification Holder:

|                                                 |                                                                                   |
|-------------------------------------------------|-----------------------------------------------------------------------------------|
| Name, seal and signature of Certificate Holder: |  |
|                                                 |                                                                                   |

