

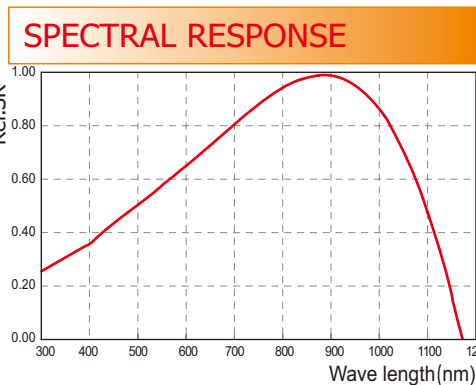
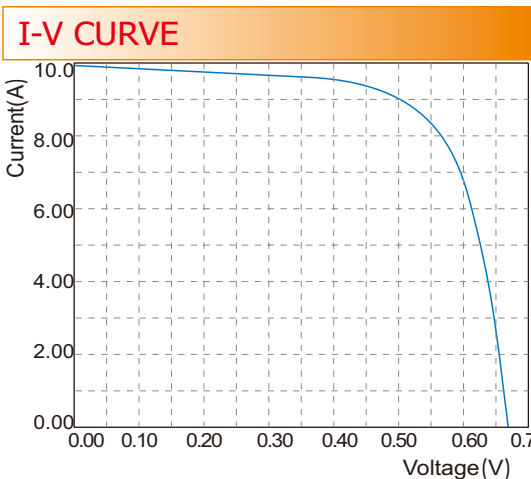
| BASIC INFORMATION | |
|-------------------|---|
| Format | 156.75 × 156.75mm ± 0.25mm |
| Diameter | 210.0 ± 0.25mm |
| Thickness | 210 ± 20μm (regardless of the front silver) |
| Weight | 11.0 ± 0.5g |
| Front(-) | 0.7mm wide bus bars, 110 fingers Blue SiNx anti-reflecting coating |
| Back(+) | 1.7mm Ag soldering pads embedded in the 3.0mm wide aluminum main grid 156 fingers |

| ELECTRICAL PARAMETERS | | | | | |
|-----------------------|-----------------------|---------------------|---------------------|-----------------------------|------------------------------|
| Efficiency Ncell(%) | Maximum power Pmpp(w) | Peak voltage Vmp(V) | Peak current Imp(A) | Open-circuit voltage Voc(V) | Short-circuit current Isc(A) |
| ≥22.2 | 5.42 | 0.570 | 9.509 | 0.671 | 10.072 |
| 22.1-22.2 | 5.40 | 0.569 | 9.490 | 0.671 | 10.047 |
| 22.0-22.1 | 5.37 | 0.568 | 9.454 | 0.670 | 10.012 |
| 21.9-22.0 | 5.35 | 0.567 | 9.436 | 0.669 | 9.996 |
| 21.8-21.9 | 5.32 | 0.566 | 9.399 | 0.668 | 9.967 |
| 21.7-21.8 | 5.30 | 0.565 | 9.380 | 0.667 | 9.949 |
| 21.6-21.7 | 5.28 | 0.563 | 9.378 | 0.666 | 9.933 |
| 21.5-21.6 | 5.25 | 0.561 | 9.358 | 0.665 | 9.921 |
| 21.4-21.5 | 5.23 | 0.559 | 9.356 | 0.664 | 9.913 |
| 21.3-21.4 | 5.20 | 0.558 | 9.319 | 0.662 | 9.905 |
| 21.2-21.3 | 5.18 | 0.557 | 9.299 | 0.661 | 9.892 |

Note : the bifacial rate (Iscrear/Iscfront) of the cell more than 70%

| TEMPERATURE CHARACTERISTICS | | |
|-----------------------------|--------|--------|
| NAME | UNIT | VALUE |
| α_{Isc} | [%/°C] | 0.060 |
| β_{Voc} | [%/°C] | -0.300 |
| γ_{Pmax} | [%/°C] | -0.390 |

| INTENSITY DEPENDENCE | | | |
|----------------------|--------------------------|---------------------------|-------------------|
| Irradiance [W/m²] | Open-circuit voltage [%] | Short-circuit current [%] | Maximum power [%] |
| 1000 | 100.0 | 100.0 | 100.0 |
| 800 | 99.10 | 80.08 | 80.24 |
| 600 | 97.84 | 60.00 | 59.99 |
| 400 | 96.22 | 40.00 | 39.68 |
| 200 | 93.32 | 19.98 | 19.30 |



QUALITY ASSURANCE

ISO 9001 ISO 14001

OHSAS 18000
职业健康安全管理体系认证

Fraunhofer