

LIGHT G12-132D

650~680W



12 years
Product Warranty



30 years
Linear Power Warranty



≤2%
First year power
degradation ≤2%



Higher Efficiency



Higher Reliability



PID Resistance

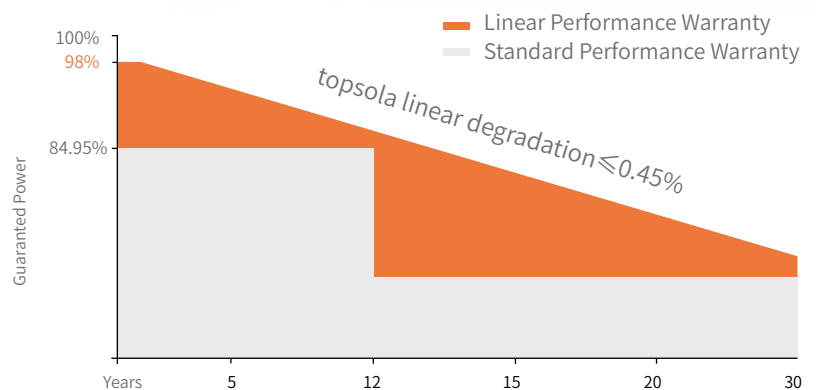


Bifacial Power



Low BOS cost & LCOE

PRODUCT WARRANTY



*please refer to Topsola details



STC: (Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5)

| Module Type | TY650M-132HG-DG | TY655M-132HG-DG | TY660M-132HG-DG | TY665M-132HG-DG | TY670M-132HG-DG | TY680M-132HG-DG |
|---------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Maximum Power (Pmax) [W] | 650 | 655 | 660 | 665 | 670 | 680 |
| Maximum Power Voltage (Vmp) [V] | 37.60 | 37.80 | 38.00 | 38.20 | 38.40 | 38.80 |
| Maximum Power Current (Imp) [A] | 17.29 | 17.33 | 17.37 | 17.41 | 17.45 | 17.53 |
| Open Circuit Voltage (Voc) [V] | 45.40 | 45.60 | 45.80 | 46.00 | 46.19 | 46.59 |
| Short Circuit Current (Isc) [A] | 18.21 | 18.26 | 18.31 | 18.36 | 18.41 | 18.51 |
| Module Efficiency [%] | 20.9 | 21.1 | 21.2 | 21.4 | 21.6 | 21.9 |
| Power Tolerance | 0~+5W | | | | | |

TEMPERATURE RATINGS (STC)

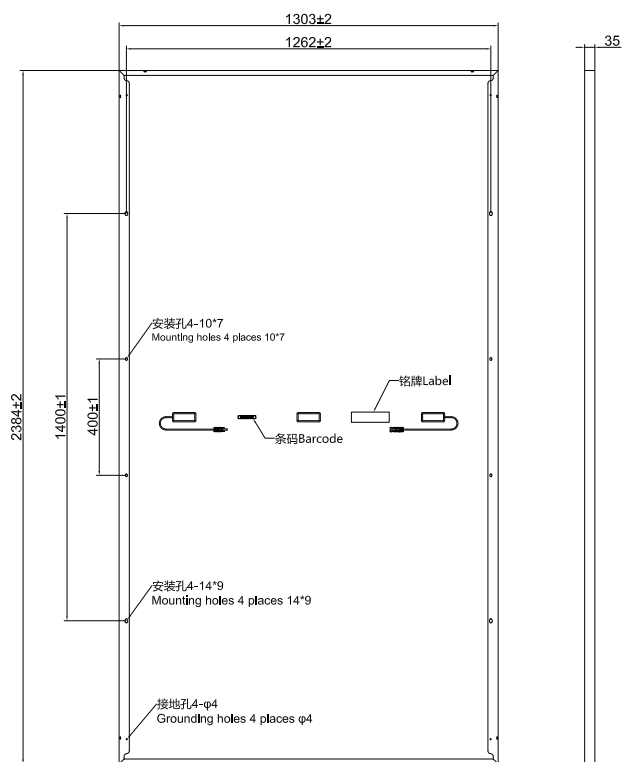
| | |
|--|--------------|
| Temperature Coefficient (Pmax) | - 0.345 %/°C |
| Temperature Coefficient (Voc) | - 0.263 %/°C |
| Temperature Coefficient (Isc) | +0.049 %/°C |
| NOCT, Nominal Operating Cell Temperature | 45 ± 2 °C |

OPERATING PARAMETERS

| | |
|----------------------------|---------------|
| Max. system voltage | 1500VDC (IEC) |
| Maximum series fuse rating | 35A |
| No. of diodes | 3 |
| Junction box IP rating | IP68 |
| Operating Temperature | -40~+85°C |

MECHANICAL CHARACTERISTICS

| | |
|---|---------------------------------|
| Dimensions(mm) | 2384x1303x35 |
| Cell type | P-type mono-crystalline |
| No. of cells | 132 (6*22) |
| Frame technology | AAuminum, silver anodized |
| Front/Back glass thickness(mm) | 2.0+2.0 |
| Cable Length (Including connector) (mm) | 300 |
| Cable diameter | 4mm ² |
| Connector type | MC4 Compatible |
| Maximum mechanical test load | 5400 Pa(front) / 2400 Pa (back) |
| Module weight (Kg) | 38.5 |
| Packing style | Carton box |
| Pieces Per Pallet | 31 pcs/pallet |
| Pallets Per Container | 18 pallet/container |
| Pieces Per Container | 558pcs/40'HQ |

ENGINEERING DRAWINGS

CURVE
