

MBB Half-Cut Solar Cell



PERC technology



Higher power output



Light-weight desing

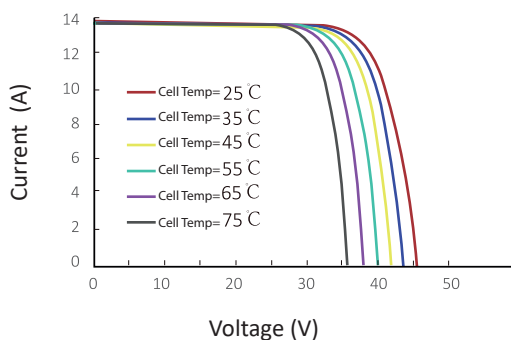


Low-light performance



Higher module conversion efficiency

TECHNICAL CHARACTERISTICS



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²



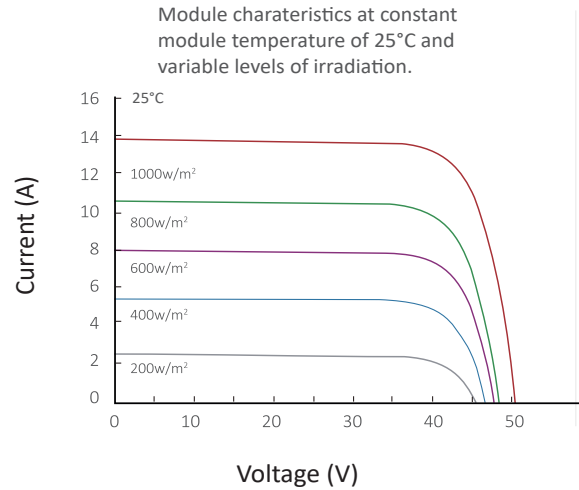
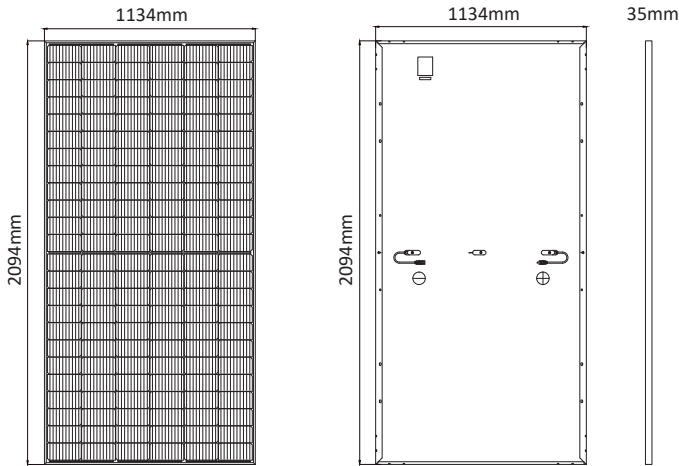
Watts positive tolerance



Years product warranty



Years linear power warranty



| | | |
|---|--|---|
| Electrical Performance | Module type | 500M |
| | Máximum Power (Wp) | 500W |
| | Open circuit Voltage (Voc) | 45.55V |
| | Short circuit Current (Isc) | 13.93A |
| | Maximum Power Voltage (Vmp) | 38.35V |
| | Maximum Power Current (Imp) | 13.04A |
| | Module efficiency | 21.05% |
| | Maxium Series Fuse | 25A |
| | Number of Diode | 3 |
| | Watts positive tolerance | 0~+3 % |
| | Standard Test Conditions | 1000 W/m²,25°C,AM1.5 |
| | Maximum System Voltage | 1500 V/DC |
| | Temperature-Coefficient Isc | +0.048%/°C |
| | Temperature-Coefficient Voc | -0.270%/°C |
| | Temperature-Coefficient Pmpp | -0.350%/°C |
| | Operating Temperature | -40°C...+85°C |
| Normal Operating Cell Temperature | 45±2°C | |
| Load Capacity for the cover of the module (glass) | 5400Pa(IEC61215)(snow) | |
| Load Capacity for the front & back of the module | 2400Pa(IEC61215)(wind) | |
| Electrical Performance (NOCT) | Maximum Power (Wp) | 378W |
| | Open circuit Voltage (Voc) | 42.82V |
| | Short circuit Current (Isc) | 11.07A |
| | Maximum Power Voltage (Vm) | 36.24V |
| | Maximum Power Current (Im) | 10.43A |
| Mechanical Characteristics | Front cover (material/ thickness) | low-iron tempered glass / 3.2 mm |
| | Module Weigh | 25 Kg |
| | Module Dimensions (L / W / H) | 2094 X 1134 x 35 mm |
| | Backsheet (color) | TPT in white |
| | Cell (quantity /material / dimensions) | 132 (6 X 22) / monocrystalline silicon |
| | Frame (material / color) | Aluminum hollow-chamber frame on each side anodized aluminum alloy / silver |
| | Function box (protection degree) | ≥IP68 |
| | Cables & Plug connectors | 4 mm², 1400 mm in length, length can be customized |
| | Application class | Class A |
| | Electrical protection class | Class II |
| | Fire safety class | Class C |