

N-Type 166MM Mono-crystalline Solar Cell

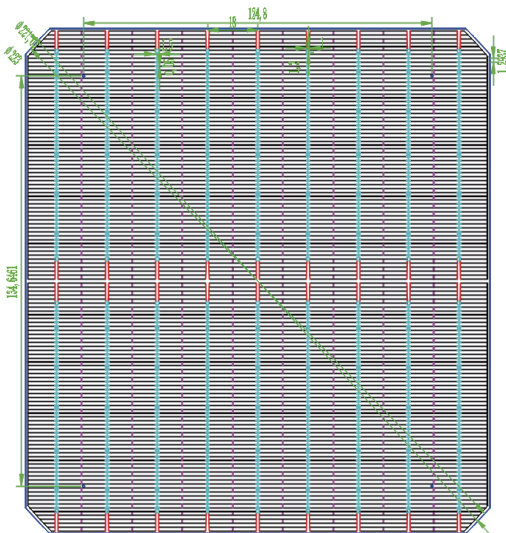
Product Characteristics

- High conversion efficiency with high reliability
- No light-induced degradation
- Uniform cell performance with stable process control
- Both sides can generate electricity
- Low mismatch of cell performance during encapsulation
- Excellent power generation performance under low irradiation
- Low hot spot effect

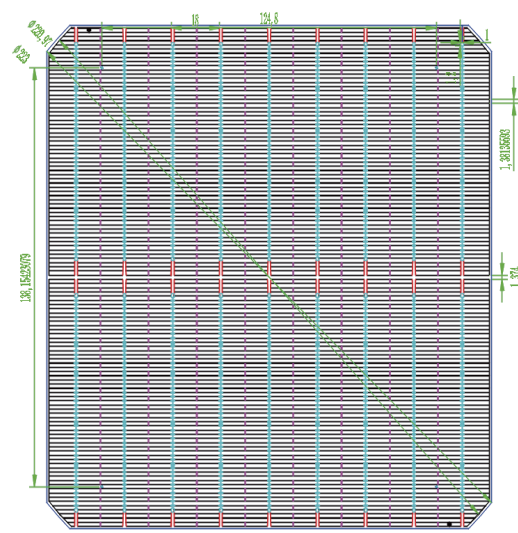
Product Features

| | |
|------------------|--|
| Dimension | 166mmx166mm±0.25mm , Φ223mm±0.25mm |
| Cell Thickness | 155μm±20μm |
| Front side (+) | 0.05mm wide bus bars,Silicon nitride anti-reflection coating |
| Back side (-) | 0.05mm wide bus bars,Silicon nitride coating |

Front side



Rear side



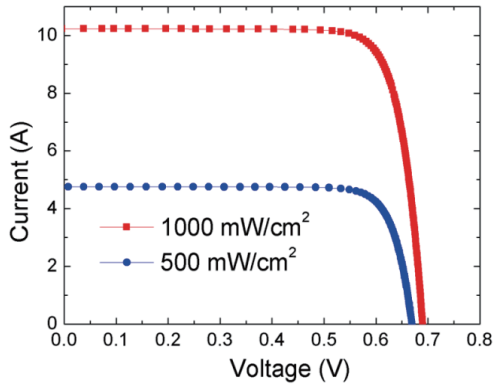
Dimensions (mm)

*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Jolywood (Taizhou) Solar Technology Co., Ltd. Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

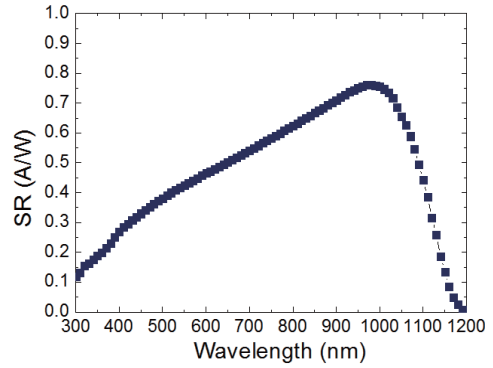
Temperature Coefficients

| | |
|---------------------------------|-----------------------|
| Current Temperature Coefficient | TKcurrent: +0.046%/°C |
| Voltage Temperature Coefficient | TKvoltage: -0.26%/°C |
| Voltage Temperature Coefficient | TKpower: -0.30%/°C |

IV Curve >



Spectral Response (SR) >



Electric Performance

| Eff(%) | Pmpp(W) | Ump(V) | Imp(A) | Uoc(V) | Isc(A) | FF(%) |
|--------|---------|--------|--------|--------|--------|-------|
| 24.4 | 6.69 | 0.6223 | 10.749 | 0.7135 | 11.267 | 83.21 |
| 24.3 | 6.66 | 0.6209 | 10.729 | 0.7119 | 11.251 | 83.17 |
| 24.2 | 6.63 | 0.6194 | 10.711 | 0.7106 | 11.232 | 83.12 |
| 24.1 | 6.61 | 0.6179 | 10.693 | 0.7093 | 11.223 | 83.00 |
| 24.0 | 6.58 | 0.6166 | 10.671 | 0.7081 | 11.201 | 82.96 |
| 23.9 | 6.55 | 0.6154 | 10.647 | 0.7069 | 11.188 | 82.85 |
| 23.8 | 6.52 | 0.6139 | 10.628 | 0.7056 | 11.164 | 82.83 |
| 23.7 | 6.50 | 0.6126 | 10.606 | 0.7044 | 11.143 | 82.78 |
| 23.6 | 6.47 | 0.6106 | 10.596 | 0.7032 | 11.124 | 82.71 |
| 23.5 | 6.44 | 0.6092 | 10.575 | 0.7021 | 11.102 | 82.65 |
| 23.4 | 6.42 | 0.6080 | 10.551 | 0.7011 | 11.079 | 82.59 |

*Under standard test condition: Irradiance=1000W/ m², Ambient Temperature=25°C, AM=1.5 Illustration:23.1% → Actual Range : 23.4%~23.5% Specifications and data are for reference only. If there is any change, notice will be given separately

Quality Control

- ⊙ Proper inspection through incoming production, outgoing and packaging
- ⊙ Efficiency tested within ± 0.1% accuracy
- ⊙ 100% checked for reverse current and visual appearance



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