MONO MODULE

280M(60) 280W
285M(60) 285W
290M(60) 290W
295M(60) 295W
300M(60) 300W
305M(60) 305W

High conversion efficiency
High module efficiency to guarantee power output.

Self-cleaning glass
Coating glass for self-cleaning, reduce surface dust.

Outstanding low irradiation performance
Excellent module efficiency even in the weak light conditions, such as morning or cloudy.

Excellent loading capability
2400Pa wind loads, 5400Pa snow loads.

0 to +5W positive tolerance
Detailed information in Electrical Specifications.

48-hour response service

25-year performance warranty
10-year warranty on materials and workmanship

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ELECTRICAL DATA

Model Type | 280M(60) | 285M(60) | 290M(60) | 295M(60) | 300M(60) | 305M(60)
---|---|---|---|---|---|---
Peak Power (Pmax) | 280W | 285W | 290W | 295W | 300W | 305W
Module Efficiency | 17.11% | 17.41% | 17.72% | 18.02% | 18.33% | 18.63%
Maximum Power Voltage (Vmp) | 31.60V | 31.70V | 31.80V | 32.03V | 32.26V | 32.46V
Open Circuit Voltage (Voc) | 39.05V | 39.25V | 39.46V | 39.64V | 39.85V | 40.05V
Short Circuit Current (Isc) | 9.38A | 9.46A | 9.57A | 9.66A | 9.75A | 9.85A

Power Tolerance: 0 to +5W
Maximum System Voltage: 1000V
Nominal Operating Cell Temperature: 44.4±2°C
Maximum Series Fuse Rating: 15A

MECHANICAL DATA

Cell Type: 156×156mm
Number of Cells: 60 (10×6)
Weight: 18.2kg
Dimension: 1650×991×35mm
Max Load: 5400 Pascals
Junction Box: IP67 rated MC4
Connector: Compatible PV Wire Type: Wire

TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc) | 0.04% /°C
Temp. Coeff. of Voc (TK Voc) | -0.34% /°C
Temp. Coeff of Pmax (TK Pmax) | -0.44% /°C

PACKING MANNER

Container: 20' GP
Pieces per Pallet: 30
Pieces per Container: 392

PHYSICAL CHARACTERISTICS

ELECTRICAL CHARACTERISTICS

Current-Voltage & Power-Voltage Curve (AM1.5, Cell Temperature 25°C)

Temperature Dependence of Isc, Voc and Pmax (Cell Temperature: 25°C)

Irradiance Dependence of Isc, Voc and Pmax (Cell Temperature: 25°C)

Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800W/m², 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum. The actual transactions will be subject to the contracts. This parameters isfor reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.