

HQ250P(245W-265W)SERIES HQ250M(250W-270W)SERIES



MONO

STC	250W	255W	260W	265W	270W
Maximum Power (P _{max})	250W	255W	260W	265W	270W
Open Circuit Voltage (V _{oc})	37.5V	37.7V	37.8V	38.0V	38.2V
Short Circuit Current (I _{sc})	8.74A	8.82A	8.94A	9.06A	9.17A
Voltage at Maximum Power (V _{mpp})	30.4V	30.5V	30.7V	30.8V	31.0V
Current at Maximum Power (I _{mpp})	8.22A	8.35A	8.47A	8.60A	8.71A
Module Efficiency (%)	15.37%	15.67%	15.98%	16.29%	16.60%

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

POLY

STC	245W	250W	255W	260W	265W
Maximum Power (P _{max})	245W	250W	255W	260W	265W
Open Circuit Voltage (V _{oc})	37.1V	37.2V	37.3V	37.4V	37.5V
Short Circuit Current (I _{sc})	8.74A	8.87A	9.00A	9.11A	9.21A
Voltage at Maximum Power (V _{mpp})	30.0V	30.1V	30.2V	30.4V	30.5V
Current at Maximum Power (I _{mpp})	8.17A	8.30A	8.43A	8.55A	8.68A
Module Efficiency (%)	15.06%	15.37%	15.67%	15.98%	16.29%

Mechanical Characteristics

Solar Cell	156x156mm (6inches)
No. of Cells	60 (6 × 10)
Dimensions	1640×992 × 40mm
Weight	20.0 kgs
Front	Glass 3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65/IP67 rated (3 bypass diodes)
Output Cables	TÜV (2Pfg1169:2007), UL 4703, 4.0 mm ² , symmetrical length
	(-) 900mm and (+) 900mm
Connectors	MC 4 compatible
Mechanical load test	5400Pa

Operating Module Temperature	-40 °C to +85 °C	
Maximum System Voltage	1000 V DC (IEC) / 600V DC (UL)	
Maximum Series Fuse Rating	15 A	
Power Tolerance	0/+5W	
Temperature Characteristics		
Nominal Operating Cell Temperature (N _{ocT})	45±2°C	
Temperature Coefficient of P _{max}	-0.44 %/°C	
Temperature Coefficient of V _{oc}	-0.33 %/°C	
Temperature Coefficient of I _{sc}	0.055 %/°C	
Packing Configuration		
Container	20' GP	40' GP
Pieces per pallet	26	26
Pallets per container	12	28
Pieces per container	312	728

