

HQ300P(295W-315W)SERIES HQ300M(300W-320W)SERIES



MONO

STC	300W	305W	310W	315W	320W
Maximum Power (P _{max})	300W	305W	310W	315W	320W
Open Circuit Voltage (V _{oc})	44.6V	44.8V	44.9V	45.1V	45.3V
Short Circuit Current (I _{sc})	8.87A	8.97A	9.09A	9.13A	9.17A
Voltage at Maximum Power (V _{mpp})	36.1V	36.3V	36.4V	36.5V	36.7V
Current at Maximum Power (I _{mpp})	8.31A	8.40A	8.52A	8.63A	8.72A
Module Efficiency (%)	15.51%	15.77%	16.03%	16.28%	16.54%

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%

Mechanical Characteristics	
Solar Cell	156x156mm (6inches)
No. of Cells	72 (6 × 12)
Dimensions	1950×992 × 40mm
Weight	23.0 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	10	22
Pieces per container	260	572

POLY

STC	295W	300W	305W	310W	315W
Maximum Power (P _{max})	295W	300W	305W	310W	315W
Open Circuit Voltage (V _{oc})	44.5V	44.6V	44.8V	44.9V	45.1V
Short Circuit Current (I _{sc})	8.74A	8.84A	8.94A	9.06A	9.16A
Voltage at Maximum Power (V _{mpp})	35.9V	36.1V	36.3V	36.4V	36.6V
Current at Maximum Power (I _{mpp})	8.22A	8.31A	8.40A	8.52A	8.61A
Module Efficiency (%)	15.25%	15.51%	15.77%	16.03%	16.28%

