

Linear power output warranty (1st year $\le 1.0\%$, 2nd~30th years $\le 0.4\%$ / year)

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Electrical Specifications

STC rated output (P _{mpp})	420 Wp	425 Wp	430 Wp	435 Wp
Rated voltage (V_{mpp}) at STC	32.62 V	32.74 V	32.87 V	32.99 V
Rated current (I_{mpp}) at STC	12.88 A	12.98 A	13.08 A	13.18 A
Open circuit voltage (V_{oc}) at STC	38.81 V	38.96 V	39.11 V	39.26 V
Short circuit current (I_{sc}) at STC	13.59 A	13.72 A	13.85 A	13.97 A
Module efficiency	21.5%	21.8%	22.0%	22.3%
Rated output (P _{mpp}) at NMOT	315.8 Wp	319.6 Wp	323.4 Wp	327.1 Wp
Rated voltage (V_{mpp}) at NMOT	30.70 V	30.82 V	30.94 V	31.06 V
Rated current (I_{mpp}) at NMOT	10.29 A	10.37 A	10.45 A	10.53 A
Open circuit voltage (V_{oc}) at NMOT	36.87 V	37.01 V	37.15 V	37.29 V
Short circuit current (I_{sc}) at NMOT	10.97 A	11.08 A	11.18 A	11.28 A
Temperature coefficient (P _{mpp})	- 0.29%/°C			
Temperature coefficient (I_{sc})	+ 0.043%/°C			
Temperature coefficient (V _{oc})	- 0.25%/°C			
Nominal module operating temperature (NMOT)	41±2°C			
Maximum system voltage (IEC/UL)	1500V _{DC}			
Number of diodes	3			
Junction box IP rating	IP 68			
Maximum series fuse rating	25 A			

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5 NMOT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s Name plate tolerances: Pmax +/-3.5%, Voc +/-3.5%, Isc +/-5%

Other Specifications

Outer dimensions (L x W x H)	1722 x 1134 x 30 mm
Cell type	N type Mono-crystalline
No. of cells	108
Frame technology	Black Aluminum frame, White backing
Front glass thickness	1.6+1.6 mm
Cable length (IEC/UL)	Portrait: (+) 350mm, (-) 250mm
Cable diameter (IEC/UL)	4 mm² / 12 AWG
Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Connector type (IEC/UL)	PV-HCB40 (Astronergy) or PV-KST4-EV02/ xy-UR, PVKBT4-EV02/xy (Stäubli)
Module weight	20.8 kg
Packing unit	36 pcs / box
Weight of packing unit (40ft container)	793 kg
Modules per 40ft container	936 pcs
Fire Class Rating	Class A
Country of Manufacturer	China

Curve



















