

Electrical Characteristics (typical value at STC)

Maximum Power	(Pmax)	270W	275W	280W	285W	290W	295W
Open circuit voltage	(Voc)	43.8V	44.0V	44.2V	44.3V	44.4V	44.5V
Short circuit current	(Isc)	8.32A	8.38A	8.44A	8.52A	8.65A	8.70A
Maximum power voltage	(Vmp)	35.8V	35.9V	36.0V	36.2V	36.5V	36.9V
Maximum power current	(Imp)	7.54A	7.67A	7.78A	7.87A	7.95A	8.00A
Module efficiency		13.9%	14.2%	14.4%	14.7%	14.9%	15.2%
Tolerance		±3%					
Fuse Rating		15A					
Maximum system voltage		DC1000V					

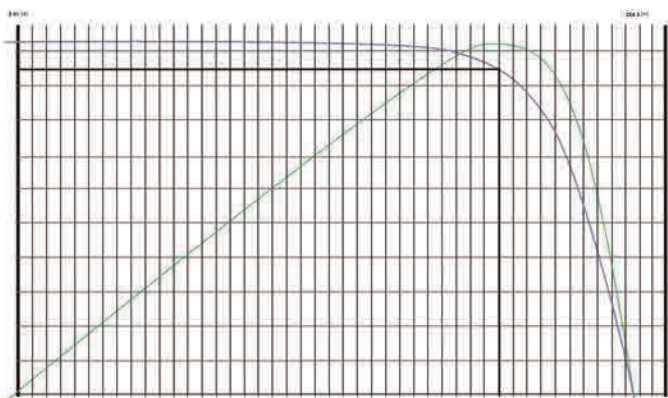
Mechanical Characteristics

Dimension	1956×992×46mm
Cell type	156×156mm;72 Poly-crystalline cells connected in series
Weight	27kg
Classification	Safety class II;Application class A;Fire resistance class C;IP67
Mechanical load	5400Pa
Layer structure	Glass-EVA-Cells-EVA-substrate
Diode	6 Schottky diodes,each two parallel bypasses 24 cells;15A/45V

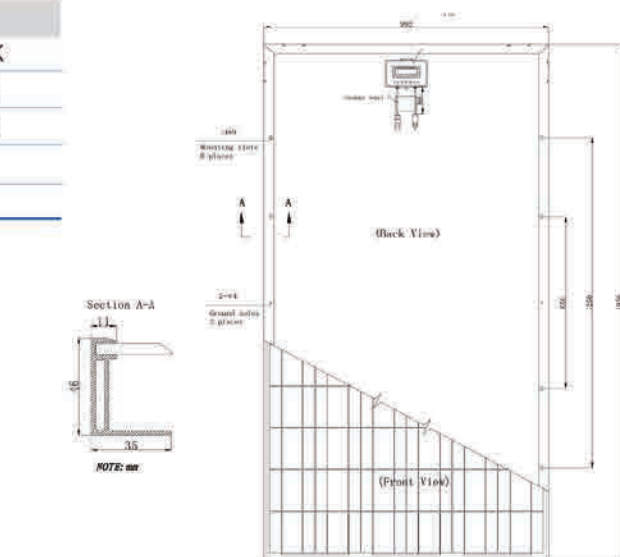


Thermal Characteristics

Temperature coefficient of ISC and Imp	(α)	0.028—0.069%/K
Temperature coefficient of Voc and Vmp	(β)	-0.34—-0.39%/K
Temperature coefficient of Pmpp	(γ)	-0.46—-0.53%/K
NOCT		47±3°C
Operating temperature		-40 to 85°C



Voc: 44.27V	Pm: 284.3W
Isc: 8.41A	Vm: 35.95V
FF: 76.4%	Rser: 0.596 Ohm
Im: 7.91A	Rsht: 448.19 Ohm



Packing Configuration

Container	20'GP	40'HC
Pieces per pallet	40	46
Pallets per container	5	12
Pieces per container	200	552