

HYP-140W series

MECHANICAL CHARACTERISTICS

Solar Cell	Polycrystalline 156mm×156mm
No. of Cells	36 (4×9)
Dimension	1482mm×676mm×35mm
Weight	12 Kg
Front Glass	3.2 mm high transmission tempered glass
Frame	Anodized aluminum alloy
Junction Box	Ip67 rated



ELECTRICAL CHARACTERISTICS

STC	HYP140W	HYP135W	HYP130W	HYP125W	HYP120W	HYP115W
Optimum Operation Voltage (Vmp)	18.0V	17.9V	17.8V	17.6V	17.4V	17.3V
Optimum Operation Current (Imp)	7.78A	7.55A	7.31A	7.11A	6.90A	6.65A
Open-Circuit Voltage (Voc)	21.9V	21.8V	21.7V	21.4V	21.2V	21.1V
Short-Circuit Current (Isc)	8.56A	8.29A	8.03A	7.81A	7.59A	7.32A
Maximum Power at STC (Pmax)	140Wp	135Wp	130Wp	125Wp	120Wp	115Wp
Module Efficiency	13.9%	13.4%	12.9%	12.5%	11.9%	11.4%
Operating Temperature	-40℃ to +85℃	-40℃ to +85℃	-40℃ to +85℃	-40℃ to +85℃	-40℃ to +85℃	-40℃ to +85℃
Maximum System Voltage	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC
Maximum Series Fuse Rating	15 A	15 A	15 A	15 A	15 A	15 A
Power Tolerance	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W

STC: Irradiance 1000 W/m², module temperature 25℃, AM=1.5

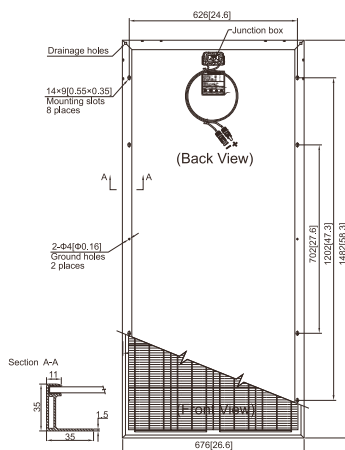
Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2℃
Temperature Coefficient of Pmax	-0.47%/℃
Temperature Coefficient of Voc	-0.34%/℃
Temperature Coefficient of Isc	0.045%/℃

Packing Configuration

Container	20' GP	40' GP
Pieces per pallet	48	48
Pallets per container	12	24
Pieces per container	576	1152

Module Diagram



Note: mm[inch]

Characteristics

Module IV Graph 130W

