

HYP-280W Series

MECHANICAL CHARACTERISTICS

Solar Cell	Polycrystalline 156mm×156mm
No. of Cells	72 (6×12)
Dimension	1956mm×992mm×50mm
Weight	27Kg
Front Glass	3.2 mm high transmission tempered glass
Frame	Anodized aluminum alloy
Junction Box	Ip67 rated



ELECTRICAL CHARACTERISTICS

STC	HYP280W	HYP275W	HYP270W	HYP265W	HYP260W	HYP255W
Optimum Operation Voltage (Vmp)	36.0V	35.8V	35.7 V	35.6V	35.4V	35.3V
Optimum Operation Current (Imp)	7.78A	7.69A	7.57 A	7.45 A	7.35A	7.23 A
Open-Circuit Voltage (Voc)	43.8V	43.6V	43.4 V	43.3 V	43.1V	43.0V
Short-Circuit Current (Isc)	8.56A	8.45A	8.33 A	8.20A	8.09 A	7.94A
Maximum Power at STC (Pmax)	280Wp	275Wp	270Wp	265Wp	260Wp	255Wp
Module Efficiency	14.4%	14.2%	14.0%	13.6%	13.4%	13.1%
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	20 A	20 A	20 A	20 A	20 A	20A
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	40	40
Pallets per container	6	12
Pieces per container	240	480

