



Universal Solar

PV Module WXS290P7-US



Specifications

Cell Type	Multi-Crystalline Silicon
Cell Size	156mmx156mm (6.14x6.14in)
No. of cells and connections	72 (6x12)
Dimension of module(mm)	1956x992x38mm (77.01x39.06x1.50in)
Weight	22.0Kg (48.5lbs)
Power Tolerance	+/- 3%

Electrical Characteristics

Model	WXS290P7-US
Maximum power at STC(P _m)	290W
PTC	265.67W
Open-circuit voltage(V _{oc})	45.29V
Short-circuit current(I _{sc})	8.08A
Voltage at P _{max} (V _{mp})	37.87V
Current at P _{max} (I _{mp})	7.66A
STC: Irradiance 1000W/m ² , 25°C, AM1.5	PTC: Irradiance 1000W/m ² , 20°C, 1m/s windspeed

Limits

Fuse rating	15A
Maximum system voltage	1000VDC (IEC)
Operating temperature	-40°F to +185°F (-40°C to +85°C)

Temperature and Coefficients

NOCT	45°C +/- 2°C
Temp coefficient of V _{oc}	-.313% (± 5%)
Temp coefficient of I _{sc}	.046% (± 5%)
Temp coefficient of power	-.40% (± 5%)

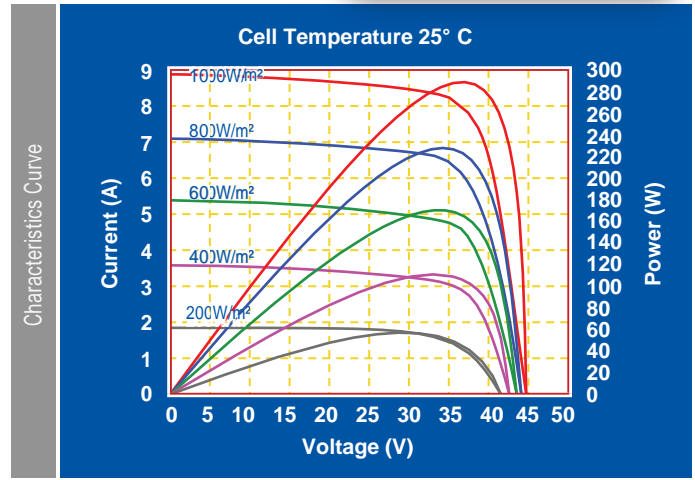
NOCT: Nominal Operation Cell Temperature

Output

Type of output terminal	IP65 Junction Box
Cable	12AWG PV Wire
Cable lengths	1200mm (47.24in)
Connector	MC4

Warranty

Workmanship and Materials	5 Years
90% Power	10 Years
80% Power	25 Years



Mechanical Characteristics

