

# MONO 100W SOLAR PANEL



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## Electrical Data

MONO-6" solar cells	100W
Nominal peak power(Pmax)	100Wp
Maximum power voltage(Vmp)	19.5V
Maximum power current(Imp)	5.13A
Short-circuit current(Isc)	5.41A
Open circuit voltage(Voc)	24.1V
Optimized cell efficiency(η)	17.00%

Power tolerance: 0~+3%

## Limits

Operating temperature	-40℃ to +85℃
Maximum system voltage	1000VDC

## Temperature and Coefficients

NOCT	48℃±2℃	
Current temperature coefficient	%/℃	0.05
Voltage temperature coefficient	%/℃	-0.33
Power temperature coefficient	%/℃	-0.34

NOCT:Nominal Operation Cell Temperature

## Additional Data

Number of cells and type of connection	19x4 cells ,1/3 cutting serial connection
Dimensions	Length:1080mm Width:665mm Height:35mm
Net weight	9kgs/pc
Gross weight	
Package dimension	

STC: Irradiance of 1000W /m2, Air Mass of 1.5, Cell Temperature of 25℃

Guaranteed Power Output Warranted Tolerance: ±5%	15 year:90% of its nominal power rating
	25 year:80% of its nominal power rating
Impact Resistance	Can bear the force that is generated by
	one 227g steel ball fall down from 1m height
Warranty period	10 years:Materials and workmanship defects
Cells	Monocrystalline silicon photovoltaic cell

