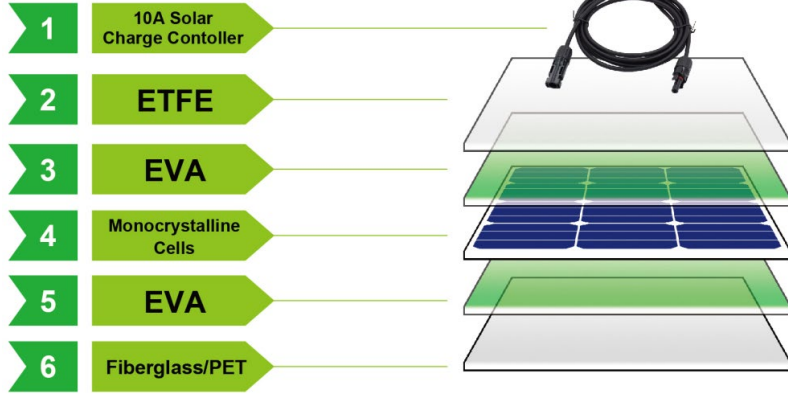


FLEXIBLE PANELS

50 & 100 WATT



Solar Panel Layer:



Mechanical Characteristics

Cell Type & No.	Mono, 32 (4×8)
Front Material	PET/ETFE
Junction Box	IP65 (Front Set/Back Set)
Connector	MC4 Compatible

Temperature Characteristics

NOCT	45±2°C
Temperature coefficient of Pmax	-0.38%/°C
Temperature coefficient of Voc	-0.29%/°C
Temperature coefficient of Isc	0.05%/°C

Electrical Characteristics Under STC*

Module	PV50	PV100
Maximum Power-Pmax (Wp)	50	100
Voltage at Maximum Power-Vmp (V)	17.8	18.0
Current at Maximum Power -Imp (A)	2.81	5.56
Open Circuit Voltage-Voc (V)	21.9	22.0
Short Circuit Current-Isc (A)	2.93	5.83
Module Efficiency- η_m (%)	15.10	17.25
Power Tolerance (W)	0/+3	0/+3
Dimensions (inch, L×W×H)	18.75×27.18×.15	33×27.18×.15
Weight (lb)	4	6.5
Maximum System Voltage	1500VDC (IEC)	
Operating Temperature	-40°C ~ +85°C	
Maximum Series Fuse	10A	

STC (Standard Testing Conditions) : Irradiance 1000/m², Cell temperature 25°C, AM 1.5

NOCT(Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient temperature 20°C, AM 1.5, Wind speed 1m/s



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