



SOLAR PANEL

N-Type TOPCon 480W

Introducing our latest 480W solar panel, a powerhouse of energy generation with superior output capabilities. Engineered for optimal performance, it excels in power generation under shadows, offers robust anti-hot spot ability, and boasts a strong mechanical load capacity for durability in challenging conditions. With a super strong frame design accounting for 10% increased strength and a system voltage of 1500V, this solar panel ensures stability, reliability, and efficiency for long-term energy production.



High Output Power



Better Power Generation Under Shadows



Strong Anti-Hot Spot Ability



N-Type TOPCon monocrystalline silicon PV modules



Strong Mechanical Load Capacity



10% Super Strong Frame



1500V System Voltage



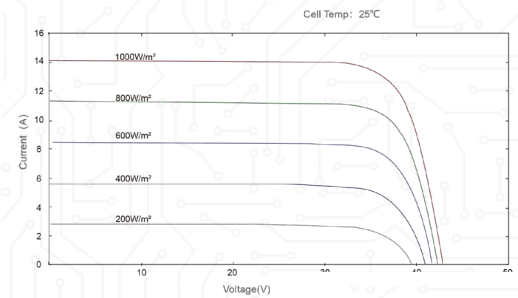
Local Support

SPECIFICATIONS

Model	480W	
	STC	NOCT
Maximum Power At STC (Pmax)	480W	362.3 W
Short Circuit Current (Isc)	14.26 A	11.58 A
Open Circuit Voltage (Voc)	42.94 V	40.67 V
Maximum Power Current (Impp)	13.48 A	10.95 A
Maximum Power Voltage (Vmpp)	35.63 V	33.10 V
Module Efficiency	22.2%	
Power Tolerance	0 ~ +5 W	
Maximum System Voltage	VDC 1500V	
Maximum Series Fuse	25 A	
Increased Snowload Acc. to Iec 61215	5400 Pa	
Operating Temperature	-40~ +85°C	
Number of Bypass Diodes	3	
Nominal Operating Cell Temperature (Noct)	45°C +/- 2°C	
Temperature Coefficient of Pmax	- 0.30%°C	
Temperature Coefficient of Voc	- 0.25%°C	
Temperature Coefficient of Isc	0.046%°C	
Mechanical Specification		
Cell Type	N-Type Mono Crystalline	
Number of Cells	120 (6x20)	
Dimensions (AxBxC)	1909x1134x35mm	
Weight	24.5 kg	
Glass	3.2mm Tempered Low Iron	
Aluminum Frame	Anodised Aluminium	
Junction Box	Split Junction Box (IP68, Three diode)	
Connector	Mc4 Compatible	

STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5. NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, wind speed 1m/s

CHARACTERISTICS



Power voltage current curve at different temperature

Power voltage current curve at different temperature

