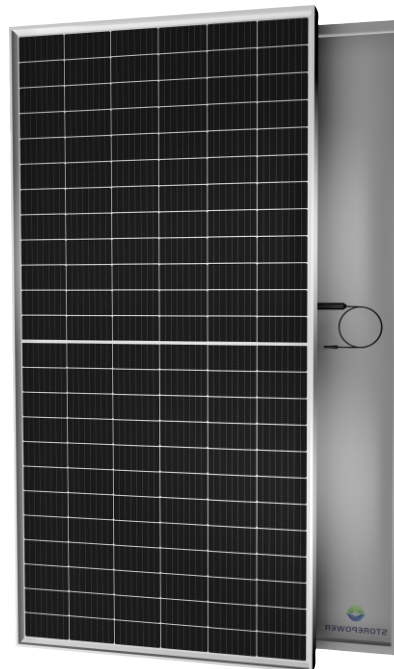


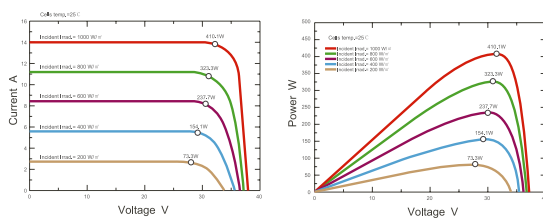
PV460-480TOPC

460-480 Watt

182 mm 120 Cells Monofacial PV Module



Current-Voltage & Power-Voltage Curves



Electrical Characteristics

Module Type	PV460TOPC		PV465TOPC		PV470TOPC		PV475TOPC		PV480TOPC	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	460	346	465	350	470	353	475	357	480	361
Open Circuit Voltage (Voc/V)	42.05	39.94	42.22	40.10	42.38	40.25	42.54	40.41	42.71	40.57
Short Circuit Current (Isc/A)	13.99	11.29	14.07	11.36	14.15	11.42	14.23	11.49	14.31	11.55
Optimum Operating Voltage (Vmp/V)	34.73	33.60	34.90	32.77	35.06	32.94	35.22	33.10	35.39	33.27
Optimum Operating Current (Imp/A)	13.25	10.61	13.33	10.67	13.41	10.73	13.49	10.79	13.57	10.85
Module Efficiency (ηm/%)	21.32		21.55		21.78		22.01		22.24	
Power Tolerance	0/+4.99 W									
Maximum System Voltage	1500 VDC (IEC /UL)									
Maximum Series Fuse Rating	25 A									

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; NMOT: Irradiance 800: W/m², Ambient Temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of pmax is within +/- 3%;

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	45±2 °C
Temperature Coefficient of Pmax	-0.290%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.045%/°C
Operating Temperature	-40°C to +85 °C

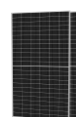
Mechanical Specifications

Solar Cells	Monocrystalline 210 mm (2x60 pcs)
Front/Back Glass	AR Coated 2+2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4 mm ² , 1200 mm (+), 1200 mm (-)
Connectors	MC4 compatible

Packing Configuration

Panel Size	1909 x 1134 x 30 mm	
Panel Weight	21.8 kg	
Container	20'GP 40'HQ	
Pieces per Pallet	36	36
Pallets per Container	5	24
Pieces per Container	216	864

Customization Options



Double glass
or bifacial



Full black



Custom cable
length



Custom
connectors