



PRISM SOLAR
TECHNOLOGIES

Power Redefined.

PST-435-445W

Commercial | Residential

Features



More Power

Generate up to 35% more power with bifacial boost.



Durable Product Design

Built to withstand harsh environmental & weather conditions



Advanced Technology

Split cell technology minimizes resistive loss & increases performance.



Trusted Warranty

25 year product & power performance warranty

Prism Solar Technologies
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Newark, NJ 07102
845.883.4200



www.prismsolar.com

Electrical Specifications (STC*)

Model	435W	440W	445W
Rated Power (Pmax)	435	440	445
MPP Voltage (Vmp)	41.66	41.81	41.96
MPP Current (Imp)	10.44	10.52	10.61
Open Circuit Voltage(VOC)	50.35	50.50	50.58
Short Circuit Current(ISC)	11.31	11.34	11.37
Module Efficiency	20.94	21.06	21.18
Power Tolerance		-0/+5W	

*Measured at Standard Testing Conditions (STC): cell temp 25°C, AM1.5, 1000W/m²

Temperature Ratings

Temperature Coefficient (Pmax)	-0.37%/°C
Temperature Coefficient (Isc)	+0.05%/°C
Temperature Coefficient (Voc)	-0.29%/°C
Normal Operating Cell Temperature	45°C +/- 2°C

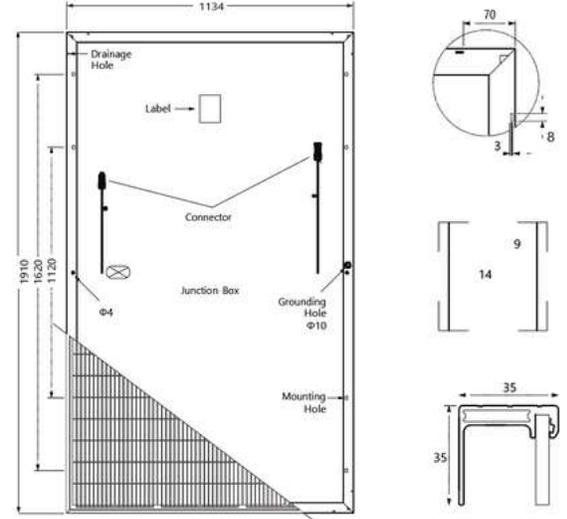
Operating Conditions

Temperature	-40°C to 85°C (-40°F to 185°F)
Series Fuse Rating	20A
Maximum System Voltage	1500V
Maximum Load Capacity	2400 Pa wind load, 5400 Pa snow load
Fire Performance Class	Type1; Class C

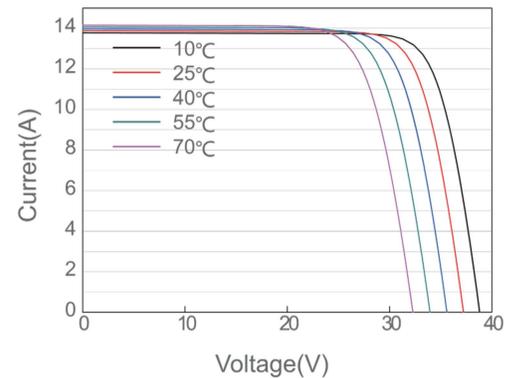
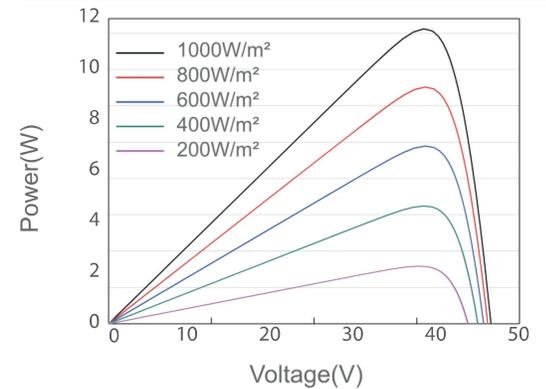
Mechanical Data

Glass Frame	3.2mm tempered low iron, anti-reflective coating
Bypass Diodes	Anodized Aluminum Alloy
Junction Box	3
Cables	IP68 with bypass-diodes
Connectors	PV wire, 12AWG, 4mm ² , 1200mm
Dimensions	MC4 compatible
Weight	2094mm X 1038mm X 35mm
Packing	25kg (53lbs.) 31pcs/pallet; 682pcs 40HQ

Engineer Drawing



I-V Curves



Certifications

IEC 61215 / 61730

CEC

Salt Mist