



Polycrystalline Solar Module

NPS100W

36 CELL

Poly Crystalline Module

14.35%

Maximum Efficiency

100W

Power Output Range

0/+5%

Positive Power Tolerance



Function Features



Withstanding Harsh Environment

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline.



High Efficiency

High module conversion efficiency (up to 14.35%), through innovative manufacturing technology.



Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Low-light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



Higher Quality Assurance

100% EL test before and after lamination, and finished products EL test, providing higher quality assurance.



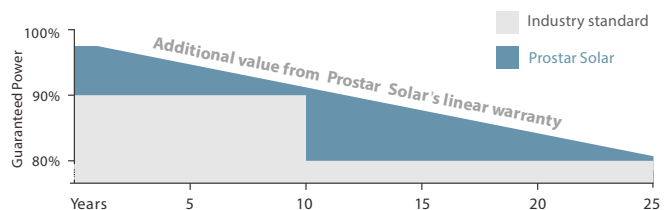
Maximized Energy Harvest

Impedance matching technology eliminates mismatch losses, more power from each module bin.

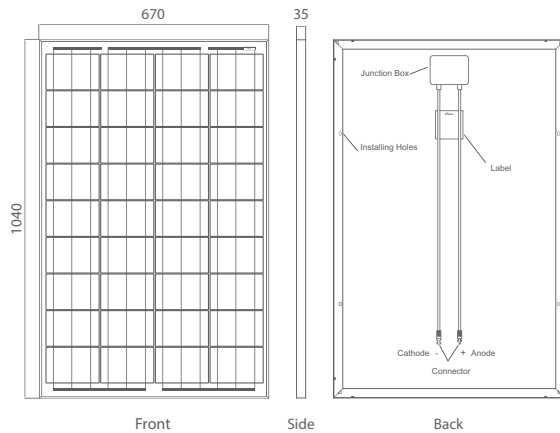
LINEAR PERFORMANCE WARRANTY

10-Year Product Warranty

25-Year Linear Power Warranty



Engineering Drawings

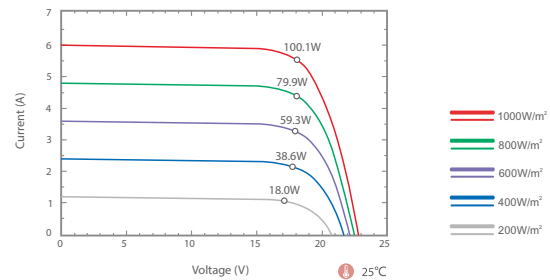


Packaging Configuration

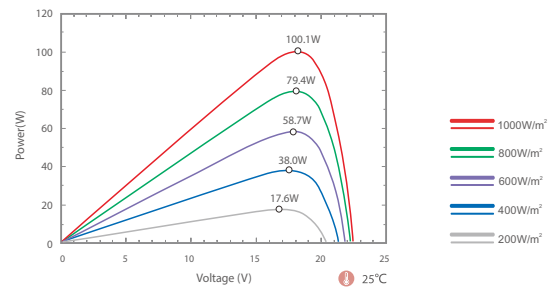
(Two boxes=One pallet)

30pcs/box, 60pcs/pallet, 1628pcs/40'GP Container

Current-Voltage Curves



Power-Voltage Curves



Technical Specifications

Model	NPS100W	
Electrical Characteristics		
	STC	NOCT
Maximum Power (Pmax)	100Wp	73Wp
Maximum Power Voltage (Vmpp)	18.0V	16.8V
Maximum Power Current (Impp)	5.56A	4.36A
Open Circuit Voltage (Voc)	22.5V	21.2V
Short Circuit Current (Isc)	6.00A	4.84A
Power Tolerance(Positive)	5%	
Module Efficiency STC	14.35%	
Operating Temperature Range	-40°C to +85°C	
Maximum System Voltage	1000V	
Series Fuse Rating	15A	
Temperature Coefficient of Pmax	-0.44 %/°C	
Temperature Coefficient of Voc	-0.33 %/°C	
Temperature Coefficient of Isc	0.055 %/°C	
Nominal Operating Cell Temperature(NOCT)	45±2°C	
Mechanical Characteristics		
Cell Type	Polycrystalline 156x156 mm	
Cell Number	36 (4x9)	
Dimensions (mm)	670x1040x35	
Weight(Kgs)	8.25	
Front Glass	3.2 mm, High Transmission, Low Iron, Tempered Glass	
Frame Type	Anodized Aluminium Alloy	
Junction Box Protection Class	IP 67 Rated	
Connector Type	MC4	
Output Cables	2.5 mm ² , Length:900 mm	

STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s

* Remarks: Products specifications are subject to change without notice.