

Electrical Parameter at STC#

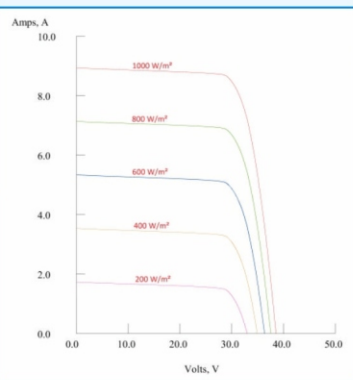
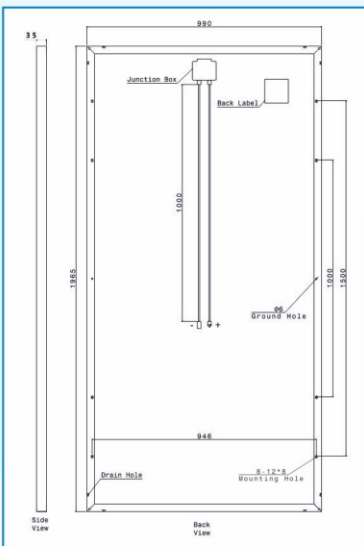
Maximum Power Pmax(Wp)	400
Power Tolerance	0 ~ +5 Wp
Module Efficiency (%)	20.56
Maximum Voltage Vmp (V)	40.86
Maximum Current Imp (A)	9.80
Open Circuit Voltage Voc (V)	47.94
Short Circuit Current Isc (A)	9.96

Electrical Parameter at NOCT#

Maximum Power Pmax(Wp)	291.47
Maximum Voltage Vmp (V)	36.69
Maximum Current Imp (A)	7.95
Open Circuit Voltage Voc (V)	45.24
Short Circuit Current Isc (A)	8.02

Temperature coefficients (TC) & Permissible Operating Conditions

Tc of Open Circuit Voltage (β)	-0.282 % /°C
Tc of Short Circuit Current (α)	0.0239 % /°C
Tc of Power (γ)	-0.3826 % /°C
Maximum System Voltage	1000 V DC
NOCT	45°C ± 2°C
Temperature Range	-40°C to +85°C



All dimension are in mm

** Refer to Pahal Solar's warranty document for terms and conditions.

Mechanical Specification

Cells	72 Pcs mono-crystalline silicon, 156.75 mm x 156.75 mm PERC
Cell encapsulation	Ultra-PID Resistant & Weather Stable EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Fluoro based UV & Weather Stable White Backsheet
Frame	Silver Anodised Aluminum Alloy (Screwless)
Weight	21 Kg
Junction Box	IP 67, 4-rail, 3 diodes JB
Glass	3.2 mm, High transmission, ARC Glass
Cable & Connectors	Cable 1000 mm length, 4 mm ² , MC4 compatible connectors
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type 1)
Mechanical Load Test	5400 Pa-front ; 2400 Pa-back
Maximum Series Fuse Rating	15 A
Length × Width × Height	1965mm x 990mm x 35mm (Optional 42mm)

Guarantees and Certifications

Product Warranty**	10 Years
Performance Warranty**	Guaranteed Output power :- 90% for 10 years, 80% for 25 years

Approvals & Certificates	ISO 9001:2015/ ISO 14001:2015/ OHSAS 18001:2007
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