

Electrical Parameter at STC[#]

Maximum Power Pmax(Wp)	275
Power Tolerance	0 ~ +5 Wp
Module Efficiency (%)	16.86
Maximum Voltage Vmp (V)	32.2
Maximum Current Imp (A)	8.54
Open Circuit Voltage Voc (V)	38.22
Short Circuit Current Isc (A)	9.09

Electrical Parameter at NOCT[#]

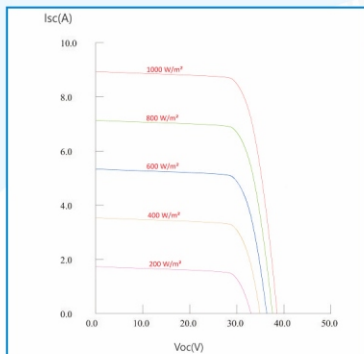
Maximum Power Pmax(Wp)	197.90
Maximum Voltage Vmp (V)	28.79
Maximum Current Imp (A)	6.87
Open Circuit Voltage Voc (V)	35.96
Short Circuit Current Isc (A)	7.32

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

Mechanical Specification

Cells	60 Pcs poly-crystalline silicon, 156.75mm x 156.75 mm
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	18.2 Kg
Junction Box	IP 68, 4-rail, 3 diodes JB
Glass	3.2 mm, High transmission, ARC Glass
Cable & Connectors	Cable 1200 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 x Width x Height	1645mm x 990mm x 40mm/35mm



All dimension are in mm

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

Guarantees and Certifications

Product Warranty**	10 Years
Performance Warranty**	Guaranteed Output power :- 90% for 10 years, 80% for 25 years
Approvals & Certificates	IS 14286:2010 / IEC 61215:2005, IS 61730-1:2004 / IEC 61730-1:2005, IS 61730-2:2004 / IEC 61730-2:2005 ISO 9001:2015/ ISO 14001:2015/ OHSAS 18001:2007 IEC 62804, IEC 61853, IEC 61701