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Solar Panel Guide Specification Data Sheet

Patanjali Renewable Energy Pvt Ltd.

PREL 260-275W

PREL-275WP

Also available on the web at

EnergyPal.com/patanjali-renewable-energy-pvt-ltd-solar-panels/prel-275wp



PATANJALI

Anant Urja Srot...







60 Cells Polycrystalline Solar Module

PREL- 260 Wp | PREL- 265 Wp |
PREL- 270 Wp | PREL- 275 Wp



Our Product

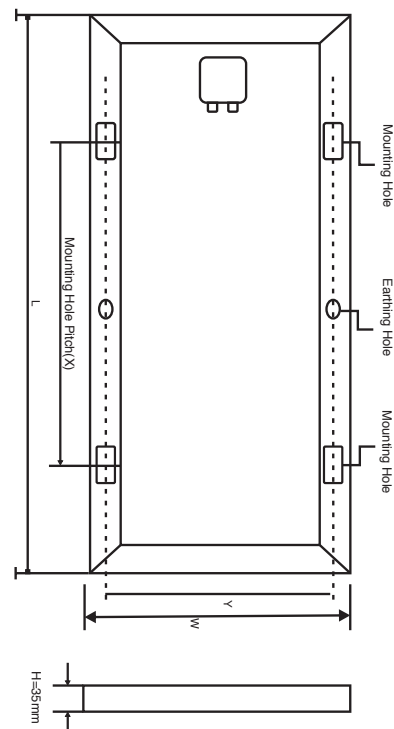
-  Solar street lighting
-  Solar Panel
-  Solar Water Pump
-  Solar EPC
-  Solar Home Light System

-  Low irradiance: Outstanding low irradiance performance.
-  High PID resistant Advanced cell technology and qualified materials lead to high resistance to PID
-  PREL current sorting process System output maximized by reducing mismatch losses with modules sorted and packaged by amperage.
-  Ip67 Rated junction box 1P67 junction box for long-term weather endurance.
-  Positive Tolerance: Positive tolerance of up to 5W delivers higher output reliability.
-  Rigorous testing criteria 100% EL inspection before and after lamination ensuring defect-free modules.

Warranty:

- 10 Year Product Warranty
- 25 Year Performance Warranty

Electrical Characteristics	PREL-275Wp	PREL-270Wp	PREL-265Wp	PREL-260Wp
Maximum Power at STC (Pmax)	275 W	270 W	265 W	260 W
Optimum Operating Voltage (Vmp)	30.90 V	30.72 V	30.51 V	30.32 V
Optimum Operating Current (Imp)	8.91 A	8.80 A	8.69 A	8.58 A
Open Circuit Voltage (Voc)	38.00 V	37.90 V	37.80 V	37.70 V
Short Circuit Current	9.15 A	9.08 A	9.01 A	8.95 A
Module Efficiency	16.94%	16.60%	16.29%	16.01%
Operating Module Temperature	-40°C to +85°C			
Maximum System Voltage	1000 V DC (IEC)			
Maximum Series Fuse Rating	20 A			
Power Tolerance	0/+5 W			
STC: Irradiance 1000 W/m ² , module temperature 25°C, Am=1.5; Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%				



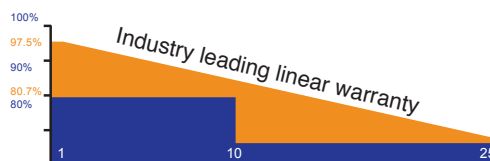
NOCT	PERL-275Wp	PERL-270Wp	PERL-265Wp	PERL-260Wp
Maximum Power at NOCT (Pmax)	201 W	198 W	195 W	192 W
Optimum Operating Voltage (Vmp)	28.40 V	28.30 V	28.31 V	28.12 V
Optimum Operating Current (Imp)	7.09 A	7.01 A	6.89 A	6.83 A
Open Circuit Voltage (Voc)	35.80 V	35.50 V	35.10 V	34.90 V
Short Circuit Current (ISC)	7.35 A	7.30 A	7.24 A	7.20 A
NOCT: Irradiance 800 W/m ² , ambient temperature 20°C, Am=1.5, Wind speed 1m/s;				

- 97.5% in the first year, thereafter, for years two (2) through twenty-five (25), 0.7% maximum decrease from module's nominal power output per year, ending with the 80.7% in the 25th year after the defined WARRANTY STARTING DATE.)**
- 10 year product warranty
- 25 year linear performance warranty

Specification	Data
Cell Type	Poly-crystalline, 60 Cells (6x10)
Dimensions	1641x991x35 mm
Weight	18.5 Kgs
Front Cover	3.2 mm Tempered Glass
Cell Encapsulation	Ethylene Vinyl Acetate
Frame Material	Silver Anodized Aluminum profile,
J-Box	IP67, 3 diodes
Cable	Length 1000mm, 1x4mm ²
Connectors	MC4 Compatible, IEC/UL Certified
Standard 25 Pieces 528 Kg (1164.04 lbs) Packaging (quantity and weight per pallet)	

Temperature Ratings	
Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of PMAX	-0.408%/°C
Temperature Coefficient of VOC	-0.297%/°C
Temperature Coefficient of ISCISC	-0.045%/°C

Industry leading warranty based on Nominal Power



- Optimum panel efficiency suitable for roof-tops, ground mounted, solar water pumping for utility applications.
- Suitable for all environment conditions.

Partner Section

Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.