

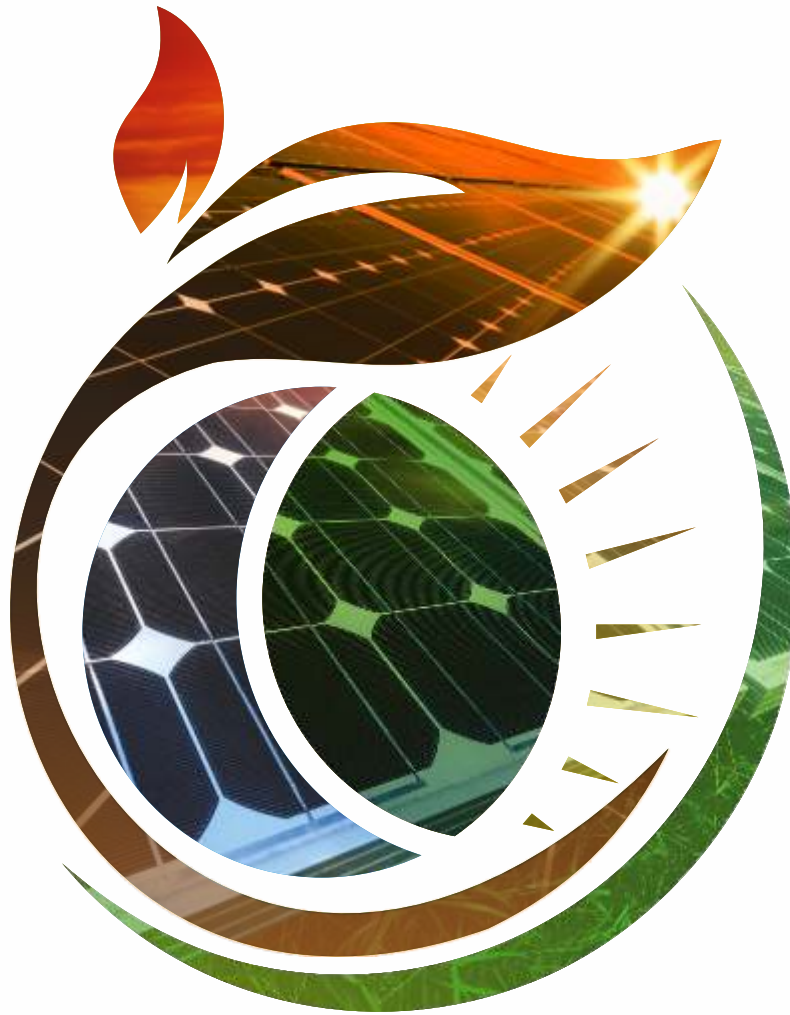
SBB POLY CRYSTALLINE SOLAR PV MODULES



PATANJALI

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www.patanjalirenewable.com



upto 17.53%
EFFICIENCY

200-220 W
RANGE

- EXTREMELY **RELIABLE PRODUCT** SUITING ALL ENVIRONMENT CONDITIONS
- **100% EL TESTED** TO ENSURE DEFECT FREE MODULES
- CERTIFIED FOR **PID RESISTANCE**
- CERTIFIED FOR **SALT MIST CORROSION RESISTANCE**
- SUPERIOR **LOW LIGHT IRRADIATION PERFORMANCE** 200W/m²
- **POSITIVE** GUARANTEED TOLERANCE

APPLICATIONS

- Solar pumping applications
- Off grid residential systems
- On-grid rooftop residential, commercial and industrial roof top installations

PREL/ENG/TDS/04-Rev. 01

TECHNICAL DATA

POLY 48 CELLS MODULE SERIES

Electrical Data All Data refers to STC (AM 1.5, 1000 W/m², 25°C)

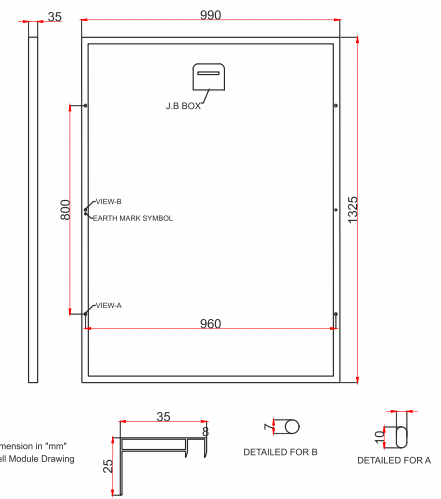
Sl. No.	MODEL	PREL 200W	PREL 210W	PREL 215W	PREL 220W
1	Peak power, (0' + 4.99 Wp) Pmax (Wp)	200	210	215	220
2	Maximum voltage, Vmpp (V)	25.01	25.4	25.7	26.05
3	Maximum current, Impp (A)	8.02	8.11	8.27	8.45
4	Open Circuit Voltage, Voc (V)	30.05	30.5	30.9	31.3
5	Short circuit current, Isc (A)	8.72	8.82	8.91	8.97
6	Module efficiency (%)	15.94	16.73	17.13	17.53

Temperature co-efficients (TC) permissible operating conditions

TC of open circuit voltage (β)	-0.27 % /°C
TC of short circuit current (α)	-0.024 % /°C
TC of power (γ)	-0.40 % /°C
Maximum system voltage	1000/1500 V
NOCT	46°C ± 2°C
Temperature range	-40°C to + 85°C

Mechanical Data

Length x Width x Height	1325 x 990 x 35 mm
Weight	14.5 kg ± 0.500 kg
Junction Box	IP67 / IP68 3 Bypass diodes
Cable & Connectors	1000mm/1200mm length cables & MC4 Connectors
Application Class	Class A (Safety Class II)
Superstrate	High transmittance ARC Glass
Cells	48 Polycrystalline solar cells
Cell Encapsulant	EVA (Ethylene Vinyl Acetate)
Back Sheet	Composite Film
Frame	Anodized aluminium frame with twin wall profile
Mechanical Load Test	5400 pa-front ; 2400 pa-back
Maximum Series Fuse Rating	15 A



NOTE - All Dimension in "mm"
NOTE - 48 Cell Module Drawing

DETAILED FOR B

DETAILED FOR A

Warranty and Certifications

Product Warranty**	10 years
Performance Warranty**	Linear Power Warranty for 25 year with 2.5% for 1st year degradation and 0.67% from year 2 to year 25
Approvals and certificates :	IEC 61215, IEC 61730, IEC 61701, IEC 62804, IS14286, IS61730

Packaging Information

Qty.: 30 in 1 Box

Qty.: 02 in 1 Box

* Module Efficiency as per Aperture area

** Refer to PATANJALI RENEWABLE ENERGY'S warranty document for terms and conditions.

CAUTION : READ SAFETY AND INSTALLATION MANUAL BEFORE USING THE PRODUCT.

specifications included in this datasheet are subject to change without notice. Electrical data without guarantee. Please confirm your exact requirement with the company representative while placing your order.

PREL/ENG/TDS/04-Rev. 01

TDS-5BB-Poly-48 Cells



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