

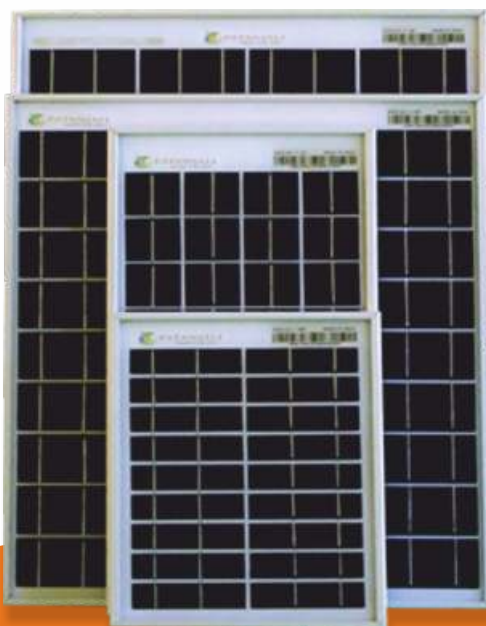
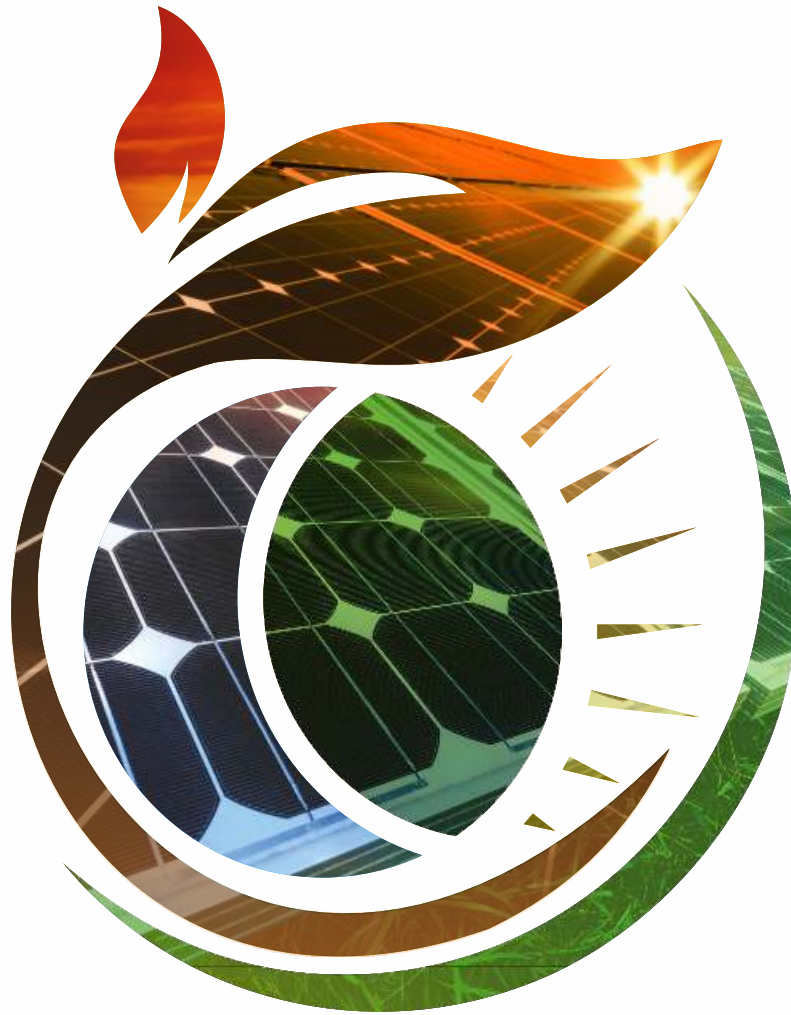
SBB POLY CRYSTALLINE SOLAR PV MODULES



PATANJALI

Anant Urja Srot...

www.patanjalirenewable.com



- 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
- Solar Home Appliances
- Solar Street Lights

PREL/ENG/TDS/06-Rev. 01



TECHNICAL DATA

POLY 36 CUT CELLS MODULE SERIES

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

MODEL	PREL 005	PREL 010	PREL 020	PREL 040	PREL 050	PREL 060	PREL 075
Peak power, (0~ + 4.99 Wp) Pmax (Wp)	5	10	20	40	50	60	75
Maximum voltage, Vmpp (V)	8.72	17.03	17.08	17.84	17.89	18.04	18
Maximum current, Imp (A)	0.58	0.59	1.18	2.25	2.8	3.35	4.17
Open Circuit Voltage, Voc (V)	10.22	21.07	21.17	21.95	21.77	21.66	22.12
Short circuit current, Isc (A)	0.65	0.63	1.26	2.44	3.04	3.59	4.49
Module efficiency (%)	11.48	11.87	12.78	14.79	14.38	14.65	15.08

Solar Cells Per Module	36	36	36	36	36	36	36
Length (L) x Width (W) x Thickness (T)	250x195x17	265x345x17	350x475x17	431x665x35	550x665x35	645x665x35	780x665x35
Weight in Kg	0.80	1.35	1.98	3.82 kgs	4.50 kgs	4.60 kgs	6.4 kgs
Mounting Pitch (Hole to Hole Distance)	NA	NA	NA	250 mm	275 mm	320 mm	395 mm
Junction Box	Weather proof PPO enclosure	Weather proof PPO enclosure	IP 65/67	IP 65/67	IP 65/67	IP 65/67	IP 65/67
Cable & Connectors	NA						
Application Class	Class A (Safety Class II)						
Superstrate	High Transmittance ARC Glass						
Cells	36 Polycrystalline Solar Cut 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	1A	1A	2A	3A	5A	6A	7A
Maximum System Voltage	600V						

MODEL	PREL 080	PREL 085	PREL 100	PREL 110	PREL 120	PREL 125
Peak power, (0~ + 4.99 Wp) Pmax (Wp)	80	85	100	110	120	125
Maximum voltage, Vmpp (V)	18.1	18.2	18	18.4	17.8	18.5
Maximum current, Imp (A)	4.43	4.68	5.57	5.99	6.75	6.76
Open Circuit Voltage, Voc (V)	22.2	22.25	21.8	22.8	21.6	22.7
Short circuit current, Isc (A)	4.76	4.98	5.99	6.4	7.25	7.29
Module efficiency (%)	16.09	17.09	15.46	17.01	14.31	16.26

Solar Cells Per Module	36	36	36	36	36	36
Length (L) x Width (W) x Thickness (T)	780x665x35	780x665x35	1010x665x35	1010x665x35	1196x666x35	1196x666x35
Weight in Kg	6.4 kgs	6.4 kgs	7.80 kgs	7.80 kgs	9.20 kgs	9.20 kgs
Mounting Pitch (Hole to Hole Distance)	390 mm	390 mm	500 mm	500 mm	800mm	800 mm
Junction Box	IP 65/67	IP 65/67	IP 65/67	IP 65/67	IP 65/67	IP 65/67
Cable & Connectors	OPTIONAL					
Application Class	Class A (Safety Class II)					
Superstrate	High Transmittance ARC Glass					
Cells	36 Polycrystalline Solar Cut 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	8A	8A	10A	10A	12A	12A
Maximum System Voltage	600V					

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, IS 61730

* 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/06-Rev. 01

TDS-5BB-Poly-36 Cut Cells



Patanjali Renewable Energy Pvt. Ltd.

D-83-84-85, EPIP, UPSIDC, SITE-V, Kasna, Greater Noida, UP 201310.

Customer Care No. +91-971-160-6006

E-mail : info@patanjali-renewable.com | www.patanjalirenewable.com

Like Follow & Subscribe / PatanjaliSolar