

TECHNICAL DATA



Series	Type	Power
72 P XXX (XXX = 310 TO 325)	BBS P 310- P 325	310~325 Watt
72 P XXX (XXX = 330 TO 340)	BBS P 330- P 340	330~340 Watt

Module Series	BBS P 310	BBS P 315	BBS P 320	BBS P 325	BBS P 330	BBS P 335	BBS P 340
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Electrical Characteristics at STC:

Maximum Power Pmax (Wp)	310	315	320	325	330	335	340
Maximum Voltage Vmpp (V)	37.32	37.50	37.68	37.90	38.08	38.30	38.50
Maximum Current Imp(A)	8.31	8.40	8.50	8.58	8.67	8.75	8.83
Open Circuit Voltage Voc (V)	44.63	44.83	45.03	45.13	45.33	45.53	45.73
Short Circuit Current Isc(A)	8.83	8.91	8.99	9.08	9.18	9.27	9.38
Module Efficiency(%)	16.05	16.30	16.58	16.83	17.09	17.35	17.60

STC :1000W/m2 irradiance ,25°C cell temperature ,AM1.5G spectrum according to EN 60904-3
Average relative efficiency reduction of<5% for every 200W/m² reduction in Irradiance, according to EN 60904-1

Electrical Characteristics at NOCT:

Maximum Power Pmax (Wp)	224.3	228.3	232.2	235.8	239.4	244.0	248.0
Maximum Voltage Vmpp (V)	33.88	34.1	34.2	34.38	34.59	34.85	35.03
Maximum Current Imp(A)	6.62	6.71	6.79	6.86	6.92	7	7.08
Open Circuit Voltage Voc (V)	41.65	41.85	42.05	42.25	42.42	42.61	42.82
Short Circuit Current Isc(A)	7.02	7.07	7.13	7.19	7.24	7.31	7.38

NOCT : 800W/m2 irradiance , 20°C ambient temperature, Wind Speed 1m/sec

Temperature coefficient (Tc) and permissible operating conditions

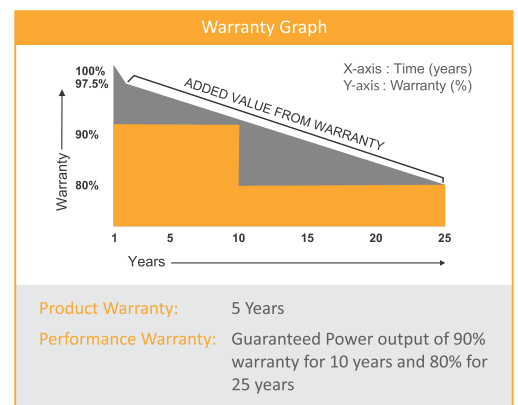
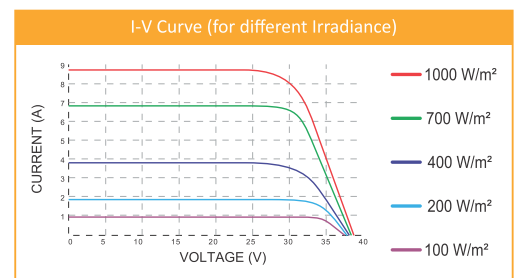
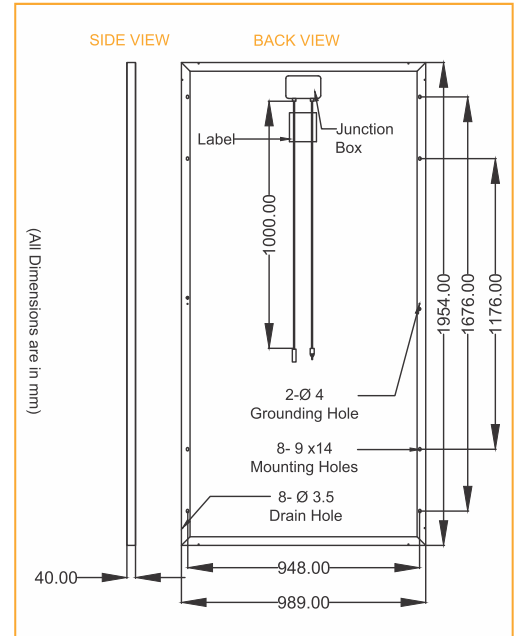
Tc of Open Circuit Voltage (β)	-0.31%/°C ± 0.02
Tc of Short circuit Current (α)	0.057%/°C ± 0.01
Tc of Power (γ)	-0.41%/°C ± 0.02
NOCT	45 ± 2°C
Maximum series fuse ratings	15A
Temperature Range	-40°C to + 85°C
Maximum System Voltage	1000 V DC
Limiting Reverse Current (Ir)	15.0 A

Mechanical Data

Dimension (L x W x H) (in mm)	1954mm x 989mm x 40mm (± 1.5mm)
Solar Cells	72 (12x6) Polycrystalline solar cells ,4BB, (156.75x156.75mm – 6inch) 72 (12x6) Polycrystalline PERC solar cells, 4BB, (156.75x156.75mm – 6inch)
Weight	20.5 Kg
Junction Box	IP 67 rated with 3 bypass diodes
Cables & Connectors	4 sq. m (12AWG) solar cable 1000 mm, 2 Nos. black MC4 compatible connectors
Superstrate (Glass)	3.2 mm high transmission low iron tempered (AR coated)
Cell encapsulant	EVA (Ethylene Vinyl Acetate) – FC/UFC
Back Sheet	Composite Film – White (Black & Transparent optional)**
Frame	Silver Anodized Aluminum Frame with twin wall profile (Black Optional)**
Application class	Class A (safety class II)
Mechanical Load Test	Sustain heavy wind & snow Loads (2400 Pa & 5400 Pa or 550 Kg/m ²) Maximum diameter of 24 mm with hail impact of 83 km/h

Packaging Information

Container	20'GP	40'GP
Pallets/Container	10	24
Pieces/Container	280	672



Approvals and certificates	
Products:	IEC 61215 Ed 2, ROHS, IEC 61730, IEC 61701, CE, UL 1703, CEC, CE,
Manufacturing:	ISO 9001:2015, ISO 14001: 2015