

TECHNICAL DATA



Series	Type	Power
60 P XXX (XXX = 260 TO 270)	BBS P 260- P 270	260~270 Watt
60 P XXX (XXX = 275 TO 285)	BBS P 275- P 285	275~285 Watt

Module Series	BBS P 260	BBS P 265	BBS P 270	BBS P 275	BBS P 280	BBS P 285
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Electrical Characteristics at STC:

	260	265	270	275	280	285
Maximum Power Pmax (Wp)	260	265	270	275	280	285
Maximum Voltage Vmpp (V)	30.79	31.1	31.26	31.44	31.85	32.31
Maximum Current Imp(A)	8.45	8.53	8.64	8.75	8.79	8.82
Open Circuit Voltage Voc (V)	37.78	38	38.21	38.48	39	39.32
Short Circuit Current Isc(A)	9.01	9.07	9.14	9.26	9.3	9.35
Module Efficiency(%)	16	16.3	16.6	16.9	17.11	17.3

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:

	188.1	192.2	195.9	199.2	203.0	207.5
Maximum Power Pmax (Wp)	188.1	192.2	195.9	199.2	203.0	207.5
Maximum Voltage Vmpp (V)	28.07	28.3	28.51	28.71	29	29.31
Maximum Current Imp(A)	6.7	6.79	6.87	6.94	7	7.08
Open Circuit Voltage Voc (V)	34.61	34.86	35.17	35.48	35.71	35.92
Short Circuit Current Isc(A)	7.09	7.12	7.16	7.21	7.29	7.35

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

Temperature coefficient (Tc) and permissible operating conditions

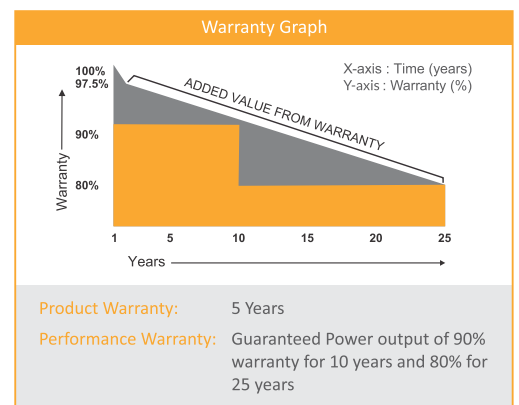
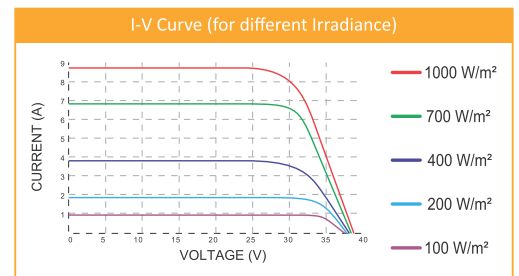
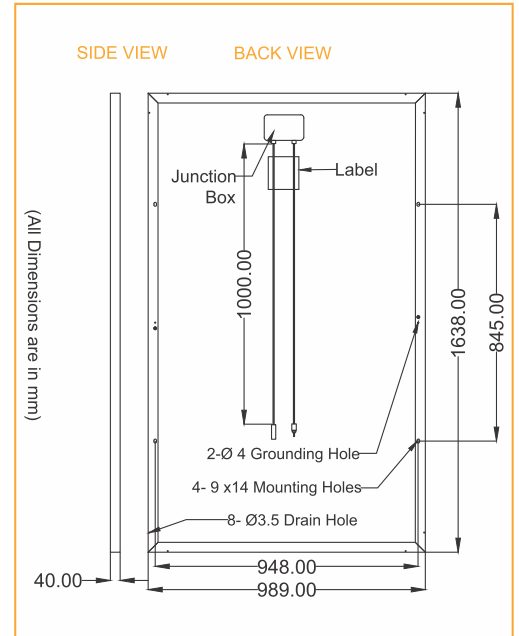
Tc of Open Circuit Voltage (β)	-0.31%/°C ± 0.02
Tc of Short circuit Current (α)	0.057%/°C ± 0.01
Tc of Power (γ)	-0.41%/°C ± 0.02
NOCT	45 ± 2°C
Maximum series fuse ratings	15A
Temperature Range	-40°C to + 85°C
Maximum System Voltage	1000 V DC
Limiting Reverse Current (Ir)	15.0 A

Mechanical Data

Dimension (L x W x H) (in mm)	1638mm x 989mm x 35mm (± 1.5mm)
Solar Cells	60 (10x6) Polycrystalline solar cells ,4BB, (156.75x156.75mm – 6inch) 60 (10x6) Polycrystalline PERC solar cells, 4BB, (156.75x156.75mm – 6inch)
Weight	18.5 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/m²) Maximum diameter of 24 mm with hail impact of 83 km/h

Packaging Information

Container	20'GP	40'GP
Pallets/Container	12	28
Pieces/Container	336	784



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