

⚡ 260 -285 Watt

60 Cells Series

☐ Poly Crystalline Solar PV Module



bluebird SOLAR
co-powering the future



Salient Features:



High conversion efficiency.



Outstanding low Light and longer wavelength performance.



Only positive power output tolerance.



Resistant to PID, Salt-Mist & Ammonia corrosion.

High Power PERC Modules:

- Designed with new generation PERC Technology.
- Higher cell Efficiency than conventional Polycrystalline & Monocrystalline PV modules.
- More power output per sq. meter area.
- Lower temperature Co-efficient.

Quality & Safety



Certified for Salt Mist Corrosion Resistance



100% EL Inspected to ensure micro crack free modules.



Certified to withstand harsh environmental conditions.



25 Yrs. of Linear output power.



PID resistant cells & encapsulants.

Applications



Street lighting applications and portable solar products



Telecommunication towers applications



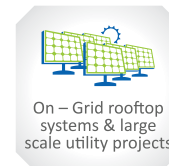
Electric vehicles charging station



Defense and Offshore applications



Solar water pumping systems



On - Grid rooftop systems & large scale utility projects



Off - Grid rooftop systems for residential buildings



RoHS



ISO 9001: 2015



ISO 14001: 2015



CORPORATE OFFICE

70, Rajasthani Udyog Nagar Industrial Area
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WORKS

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TECHNICAL DATA



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

Module Series	SUNBLAZE			SUNBLAZE+		
	BBS P 260	BBS P 265	BBS P 270	BBS P 275	BBS P 280	BBS P 285

Electrical Characteristics at STC:

Parameter	260	265	270	275	280	285
Maximum Power P _{max} (Wp)	260	265	270	275	280	285
Maximum Voltage V _{mpp} (V)	30.79	31.1	31.26	31.44	31.85	32.31
Maximum Current I _{mpp} (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 I _{sc} (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:

Parameter	260	265	270	275	280	285
Maximum Power P _{max} (Wp)	188.1	192.2	195.9	199.2	203.0	207.5
Maximum Voltage V _{mpp} (V)	28.07	28.3	28.51	28.71	29	29.31
Maximum Current I _{mpp} (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 I _{sc} (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 (I _r)	15.0 A

Mechanical Data

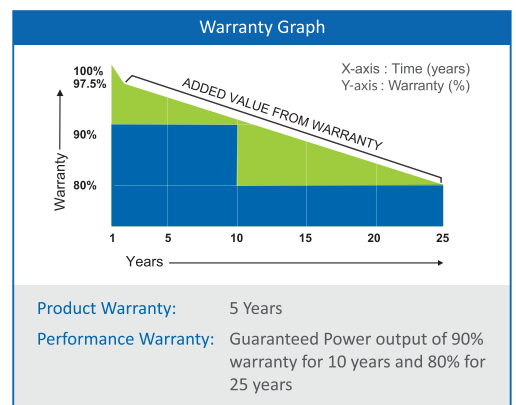
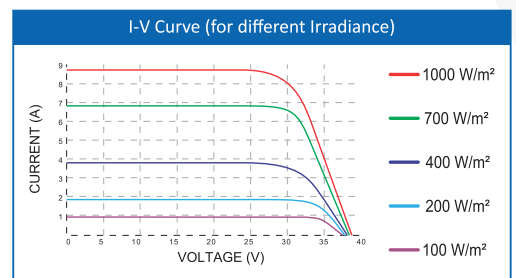
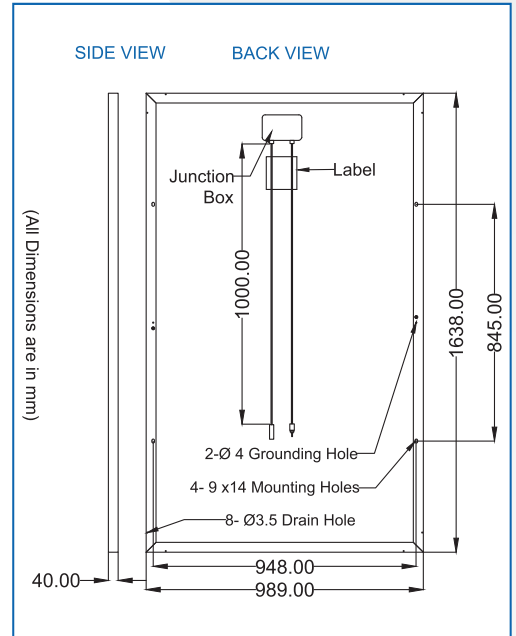
Dimension (L x W x H) (in mm)	1638mm x 989mm x 35mm (± 1.5mm)	
Solar Cells	Sunblaze:	60 (10x6) Polycrystalline solar cells ,4BB, (156.75x156.75mm – 6inch)
	Sunblaze Plus:	60 (10x6) Polycrystalline PERC solar cells, 4BB, (156.75x156.75mm – 6inch)
Weight	18.5 Kg	
Junction Box	IP 67 rated with 3 bypass 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/m ²)	
	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

**Refer to Bluebird Solar's warranty documents for terms and conditions

**Black and transparent backsheet and black frame module without IEC certification



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

Specifications and electrical data included in this datasheet are subject to change without notice. Please confirm your requirements with the company representative while placing your order.