

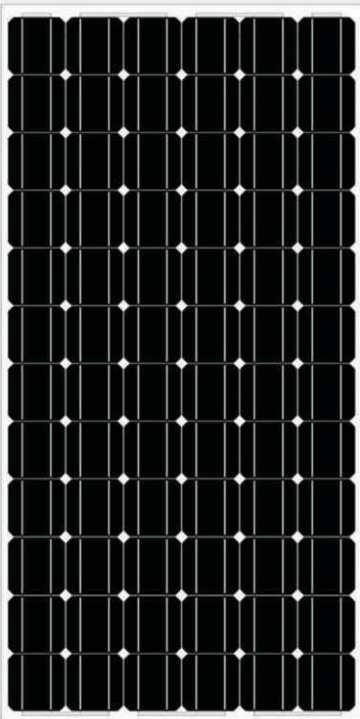
⚡ 335-360 Watt

🔗 72 Cells Series

📱 Mono 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.



Sunblaze PLUS 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



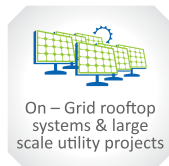
Electric vehicles charging station



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
G.T. Karnal Road, (Opposite Jahangirpuri Metro Station)
Delhi - 110033

WORKS

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Udyog Vihar, Greater Noida,
Uttar Pradesh - 201306

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TECHNICAL DATA



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Series	Type	Power
SUNBLAZE PRIME 72 M XXX (XXX = 335 TO 345)	BBS M 335- M 345	335~345 Watt
SUNBLAZE PRIME+ 72 M XXX (XXX = 350 TO 360)	BBS M 350- M 360	350~360 Watt

Module Series	SUNBLAZE PRIME			SUNBLAZE PRIME+		
	BBS M 335	BBS M 340	BBS M 345	BBS M 350	BBS M 355	BBS M 360

Electrical Characteristics at STC:

Parameter	BBS M 335	BBS M 340	BBS M 345	BBS M 350	BBS M 355	BBS M 360
Maximum Power P _{max} (Wp)	335	340	345	350	355	360
Maximum Voltage V _{mpp} (V)	38.54	38.71	38.95	39.15	39.35	39.55
Maximum Current I _{mpp} (A)	8.68	8.78	8.86	8.94	9.03	9.11
Open Circuit Voltage Voc (V)	46.84	47.11	47.3	47.5	47.8	48.01
Short Circuit Current I _{sc} (A)	9.17	9.23	9.3	9.37	9.44	9.5
Module Efficiency(%)	17.5	17.7	17.9	18.1	18.35	18.62

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	BBS M 335	BBS M 340	BBS M 345	BBS M 350	BBS M 355	BBS M 360
Maximum Power P _{max} (Wp)	244.97	249.88	245.85	259.49	264.18	269.32
Maximum Voltage V _{mpp} (V)	35.4	35.8	36.2	36.6	37	37.25
Maximum Current I _{mpp} (A)	6.92	6.98	7.04	7.09	7.14	7.23
Open Circuit Voltage Voc (V)	44.39	44.5	44.8	45.02	45.21	45.54
Short Circuit Current I _{sc} (A)	7.29	7.38	7.43	7.48	7.53	7.6

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)	-0.34%/°C ± 0.02
Tc of Short circuit Current (α)	0.07%/°C ± 0.01
Tc of Power (γ)	-0.46%/°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

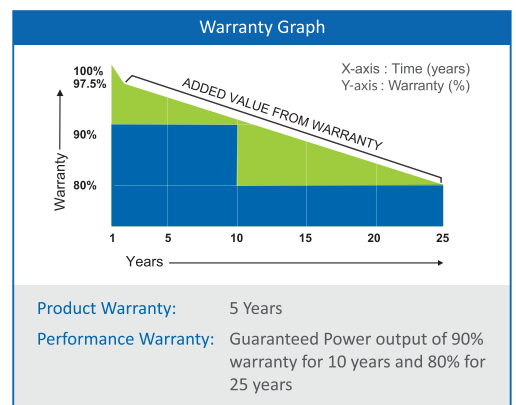
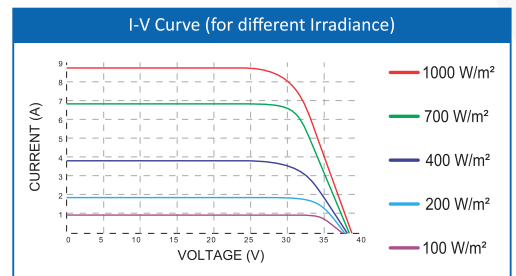
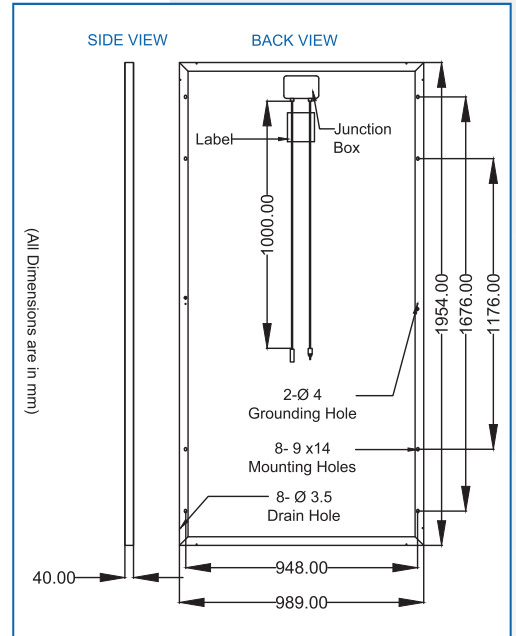
Dimension (L x W x H) (in mm)	1954mm x 989mm x 40mm (± 1.5mm)
Solar Cells	Sunblaze: 72 (12x6) Monocrystalline solar cells ,4BB, (156.75x156.75mm – 6inch)
	Sunblaze Prime: 72 (12x6) Monocrystalline PERC solar cells, 4BB, (156.75x156.75mm – 6inch)
Weight	20.5 Kg
Junction Box	IP 67 rated with 3 bypass diodes
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/UFAC
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

**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.