



High Efficiency Solar PV Panels for Rooftop and Ground Mounted Systems

Built to maximise generation, reduce power losses



Our mono PERC panels deliver the highest efficiency in India* > 21.3%



With only positive tolerance, our panels always deliver higher than rated wattage



PID resistance protects from leakages and ensures longer life and reliable power generation, backed by 25 year warranty



Rooftop Solar System

Backed by best-in-class technology



Our manufacturing facility is vetted by PI Berlin for USA's DFC **



We use advanced German technology for stringing and lamination



Electroluminescence tested to ensure micro-crack free panels



Manufactured in Bengaluru



Ground Mounted Solar System







IEC Certified

ISO Certified







Winner of Best C&I
White the ward Recognite Energy
Convenience of India
ALMM Empanelled

Winner of Best C&I
Rooftop Installation Mercom, 2021

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^{*} At standard test conditions (STC), $E = 1000 \text{ W/m}^2$, $TC = 25^{\circ} \text{ C}$, AM = 1.5

^{**} DFC: U.S. International Development Finance Corporation



Mono PERC Modules - 72 cells - 9BB

Electrical Specifications				
Rated Power Watts (STC) *	445	450	455	
Module Efficiency	21.0%	21.3%	21.5%	
Open Circuit Voltage - Voc (Volts)	50.90	51.00	51.10	
Short Circuit Current - Isc (Amps)	11.25	11.35	11.45	
Max Power Voltage - Vmp (Volts)	42.19	42.46	42.73	
Max Power Current - Imp (Amps)	10.55	10.60	10.65	

Temperature Co-efficient			
Open-Circuit Voltage	-0.2588%/°C		
Short-Circuit Current	0.0475%/°C		
Rated Power	-0.3443%/°C		
NMOT (Nominal Module Operating Temperature)	43°±2°C		

Mechanical Data				
Number of Cells and Dimensions	72 Cells - 166 (6.5in) x 166 (6.5in)			
Dimensions in mm: LxW xH	2050mm (80.7in) x 1032mm (40.6in) x 35mm (1.4in)			
Mounting Dimensions in mm: LxW	1200mm (47.2in) x 996mm (39.2in)			
Weight	22.6 Kg (49.82 Lbs)			
Front Glass	3.2mm (0.1in) thick, toughened anti-reflective coated glass, high transmission			
Encapsulant	Ethylene Vinyl Acetate (EVA)			
Back Sheet	White / Black-cell side (optional)			
Frame	Anodized Aluminum Alloy Silver / Black (optional)			
Junction Box	IP 67			
Number of Bypass Diodes	3 Diodes			
Cables	4 Sq. mm (0.2in), 1.2 Meter (47.2in) Length Cable			
Connectors	MC4 Compatible			

Permissible Operating Conditions			
Operating Temperature Range	-40°C to 85°C		
Max. System Voltage	1500V		
Max. Series Fuse Rating	15A		
Limiting Reverse Current	15A		
Maximum Wind Load	2400 Pa		
Maximum Snow Load	5400 Pa		
Resistance Against Hail	Maximum 25mm (1.0in) Dia with Impact speed of 83 km/h		
Application Class	Class A (Safety Class II)		

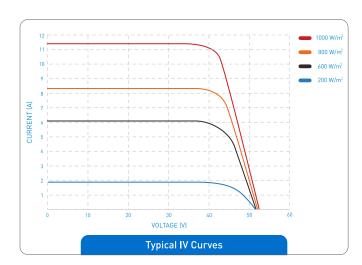
Warranty and Certificates			
Product Warranty	10 years		
Linear Power Warranty	Not less than 80% of the minimum peak power by end of 25th year		
Certificates	IS 14286, IEC 61730-2016, IEC 61215-2016, IEC 61701, IEC 62804, IEC 62716, UL 61730		

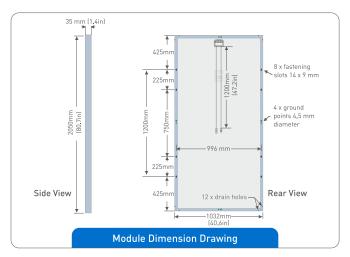
Note: 1] Rated power data at standard test conditions (STC), $E = 1000 \text{ W/m}^2$, $TC = 25^{\circ} \text{ C}$, AM = 1.5 2) Specifications are subject to change without notice.





Mono Perc Solar Cell - 9 Busbar





Packaging Information				
No. of panels per pallet	30 nos			
No. of pallets per container (40'HC)	20 nos			
Total no. of panels per container (40'HC)	600 nos			