

ELECTRICAL DATA - ALL DATA REFERS TO STC (AM 1.5 G, 1000 W/m², 25 C)

Type	EV-120	EV-130	EV-140	EV-150
Rated Peak Power (Wp)	120	130	140	150
Nominal Voltage Vmpp (V)	17.35	17.40	17.50	18.10
Nominal Current Impp (A)	7.09	7.40	8.00	8.34
Open Circuit Voltage Voc(V)	21.90	21.60	22.10	22.00
Short Circuit Current Isc (A)	7.48	7.85	8.35	8.50
Tolerance of Electrical Parameter : All Electrical parameter ±3%				

MECHANICAL SPECIFICATION :

Length (mm)	1256	1483
Width (mm)	666	
Height (mm)	34mm	
Weight (Kgs)	10.0 Kg	12.5 Kg
Junction Box	IP65, 3 Terminal Insertaion type with 2 bypass diode	
Cable & Connectors	4mm ² , TUV & UL Certified, 1000 mm(optional)	
Application Class	CLASS A (Safety class II)	
Front Cover	High Transmission, Low Iron, Tempered Glass	
Cells	3BB 36 no's pcs Poly - Crystallin Solar Cells	
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)	
Back Cover	Composite Film	
Frame	Anodize aluminium frame with twin wall profile	
Maximum surface load capacity	According to IEC 61215, snow load 5400Pa or 550kg/m ² & Wind load 2400pa	
Mounting Holes	4 nos (9*7 mm)	
Ground Holes	2 nos (4 mmØ)	

TEMPERATURE COEFFICIENTS (TC) AND PERMISSION OPERATING CONDITIONS

Tc of Open Circuit Voltage (β)	-0.35±0.01%/ °C
Tc of Short Circuit Current (α)	0.05±0.02% / °C
Tc of Power (γ)	-0.44±0.02% / °C
Maximum System Voltage	1000 V(TUV),600V(UL)
NOCT	45 °C ± 2 °C
Temperature Range	-40 °C to 85 °C
Efficiency reduction at 200W/M ² ,25°C	<5%
Maximum Reverse Current (A)	12.5
Resistance Against Hail	Maximum diameter of 24 mm with impact speed of 83 Km/h

NOCT-800 W/M², AMBIENT TEMPERATURE 20°C, WIND SPEED (1M/SEC)**GURANTEES, CERTIFICATIONS & PACKING DETAILS :**

Product Warranty	5 Years
Performance Guaranteed	Guarantee Power Output of 90% for 10 years and 80% for 25 Years
Approvals and Certificates	TUV: IEC 61215 Ed.2, IEC 61730, IEC 61701 MNRE
Packing	4 in 1 type in corrugated boxes