

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

Type	EV-37	EV-40	EV-50	EV-60	EV-75	EV-80	EV-100
Rated Peak Power (Wp)	37	40	50	60	75	80	100
Nominal Voltage Vmpp (V)	18.00	18.00	18.00	18.00	18.00	18.00	18.00
Nominal Current Impp (A)	2.07	2.25	2.80	3.35	4.20	4.70	5.59
Open Circuit Voltage Voc(V)	22.50	22.50	22.50	22.50	22.50	22.50	22.50
Short Circuit Current Isc (A)	2.25	2.40	3.00	3.60	4.50	4.90	6.00
Tolerance of Electrical Parameter : All Electrical parameter ±3%							

MECHANICAL SPECIFICATION :

Length (mm)	466	539	666	776	776	1026
Width (mm)	666 mm					
Height (mm)	34 ± 1.5 mm					
Weight (Kgs)	3.65	4.85	5.6	6.0	6.5	8.5
Junction Box	IP65, 3 Terminal Insertaion type with 2 bypass diode					
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					

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)	-0.04±0.02% / °C
Maximum System Voltage	1000 V(TUV)
NOCT	45 °C ± 2 °C
Temperature Range	-40 °C to 85 °C

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	5 in 1 type in corrugated boxes

40W to 100W For Offgrid, Home Light System & Street Lightts