

Mono PERC Half Cut | 144 Cells | 530 -550Wp

Technical Parameters

Electrical Parameters STC at 1000W/m² at 25°C

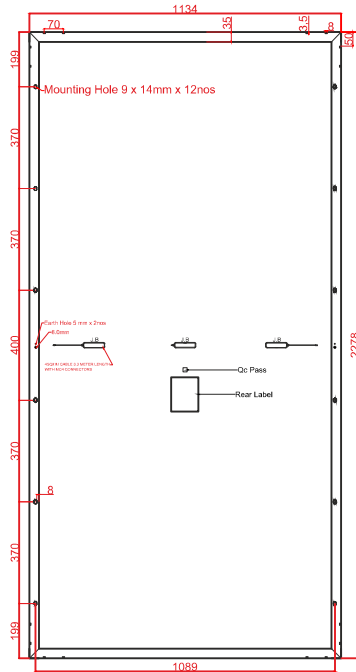
Model	Voc	Vmax	Imax	Isc	Pmax	Eff	FF
550	49.45	42.60	12.95	13.90	550.00	21.29	80.01
545	49.35	42.55	12.85	13.80	545.00	21.09	80.02
540	49.30	42.50	12.75	13.65	540.00	20.90	80.43
535	49.27	42.48	12.60	13.50	535.00	20.71	80.43
530	49.25	42.40	12.50	13.45	530.00	20.51	80.01

Module Dimensions (mm)
2278 x 1134 x 35

Electrical Parameters NOCT at 800W/m² at 45°C

Model	Voc	Vmax	Imax	Isc	Pmax
550	45.55	37.99	10.42	11.25	395.94
545	45.46	37.95	10.34	11.17	392.43
540	45.42	37.90	10.26	11.05	388.91
535	45.39	37.88	10.14	10.93	384.16
530	45.37	37.81	10.06	10.89	380.39

Cell Size (mm)
91 x 182



Design Parameters

NOCT (°C)	45±2
Temp. Coeff of Pmax (%/°C)	-0.39
Temp. Coeff of Isc (%/°C)	+0.06
Temp. Coeff of Voc (%/°C)	-0.33
Max. System Voltage (VDC)	1500
Design Load (Pa)	2400
Max. Operational Temperature (°C)	+85°C
Max. Series Fuse Rating	25A
By-pass Diode Rating	25A
Fire Class Rating	Class C

Mechanical data

Length	2278 mm
Width	1134 mm
Height	35 mm
Weight	28.5 Kg
Junction box	IP 67 / IP 68
Cable and Connectors	300 mm length cable, MC4 & Amphenol compatible connectors
Application class	Class A (Safety class II)
Superstrate	High transmittance ARC glass
Cells	144 Half Cut MONO PERC solar cells; 10 BB
Encapsulation	Low shrinkage PID resistant EVA
Substrate	Tri layer backsheet
Frame	Anodized aluminium frame with twin wall profile
Mechanical load test as per IEC	5400 Pa-front; 2400 Pa-back
Maximum series fuse rating	25 A

Warranty and certifications

25 years of Product warranty
25 years of Performance warranty

Approvals and certificates:

BIS / IS 14286, IEC 61730-1 (Type Approval)
IEC 61730-2 (Type Approval), IEC 61701 (Salt Mist)
IEC 62804 (PID Test), IEC CB 61215 (Performance)



Current and Voltage Dependence on Irradiance and Module temperature respectively. These IV Curves indicate the effect of Temperature and Light Intensity on Module Performance.

Note: The Technical Data & Specification are Mentioned in the data Sheet may changed without prior notice due to continuous improvements innovations in the product. Please Contact Marketing for the latest updates and data sheet before finalizing the Order, be advised that solar PV Modules should be handed and installed by qualified personnel and please Refer Installation, Operation & Maintenance Manual before handling and start installation for safety and installation.