



**Specifications :**

- Mono PERC cell technology upto 20% more power output per square meter resulting larger capacity in smaller space.
- Lower thermal coefficients offering prominent temperature dependent performance. new multi busbar half cell configuration higher power output
- Lower resistive loss and Less shading loss due to two independent section design lowering risk of hotspot.
- Higher returns on investment 1500v system voltage reducing overall project bos (balance of system) cost.
- Lower LOCE (levelized cost of electricity) generating shorter payback period.
- Enhanced mechanical loading tolerance built to with stand mechanical loads upto 5400 pa (frontside)

Parameters	Values
Maximum Power Pmax	540
Maximum Voltage Vmpp	40.73
Maximum Current Impp	13.26
Open-Circuit Voltage Voc	49.34
Short-Circuit Current Isc	13.96
Module Efficiency	20.92

- Electrical parameters at nominal operating cell temperature(NOCT)

Parameters	Values
Maximum Power Pmax	401.88
Maximum Voltage Vmpp	37.89
Maximum Current Impp	10.6
Open-Circuit Voltage Voc	46.58
Short-Circuit Current Isc	11.27

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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● Thermal Characteristics

Nominal Operating Cell Temperature	NOCT	°C	45 ± 2
Temperature Coefficient of P <sub>max</sub>	γ	%/°C	-0.35
Temperature Coefficient of V <sub>oc</sub>	β	%/°C	-0.28
Temperature Coefficient of I <sub>sc</sub>	α	%/°C	0.06

● Operating Conditions

Maximum System Voltage	1500V <sub>dc</sub>
Maximum Series Fuse Rating	25 A
Operating Temperature Range (°C)	-40°C to 85°C
Maximum Static Load, Front (snow load)	5400 Pa
Maximum Static Load, Back (e.g., wind)	2400Pa
Max. Hailstone Impact (diameter, velocity)	25mm, 23m/s

● Mechanical Data

Superstrate ( Glass )	3.2 mm, AR coated, High transmittance low iron tempered glass
Frame Material	Silver Anodized aluminium frame with twin profile
Cell Encapsulant	EVA (Ethylene Vinyl Acetate), FC/UFC , low thermal shrinkage
Back Sheet	Composite film - White
Junction Box	3 Split, IP 68 rated
Cable	350 mm length cable, 4mm <sup>2</sup> cross section (customized cable length upon request)
Connectors	2 Nos. Black MC4 Compatible Connectors

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