

TWIN CELL SOLAR MODULES SERIES WITH

21%
EFFICIENCY.

Now Available
Models Upto
600w+

Latest Technologies

TWIN CELL | PERC | MBB



DESIGNED TO MAXIMIZE POWER AND PERFORMANCE OVER GENERATIONS.

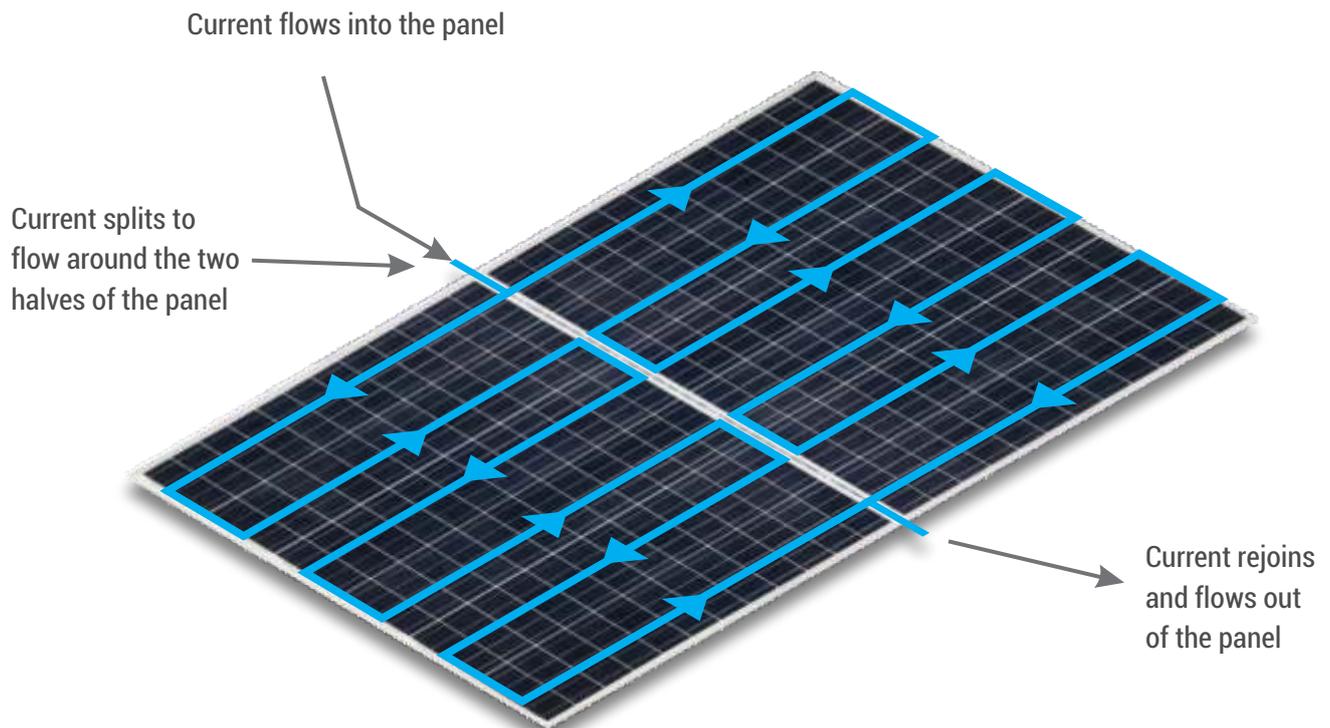
With this technology customer can boost their energy yield by generating the same power with fewer modules, or through generating higher system yield from the same surface area.

Twin cell series module are most effective and ideal choice where the space is limited and where the temperature are higher.



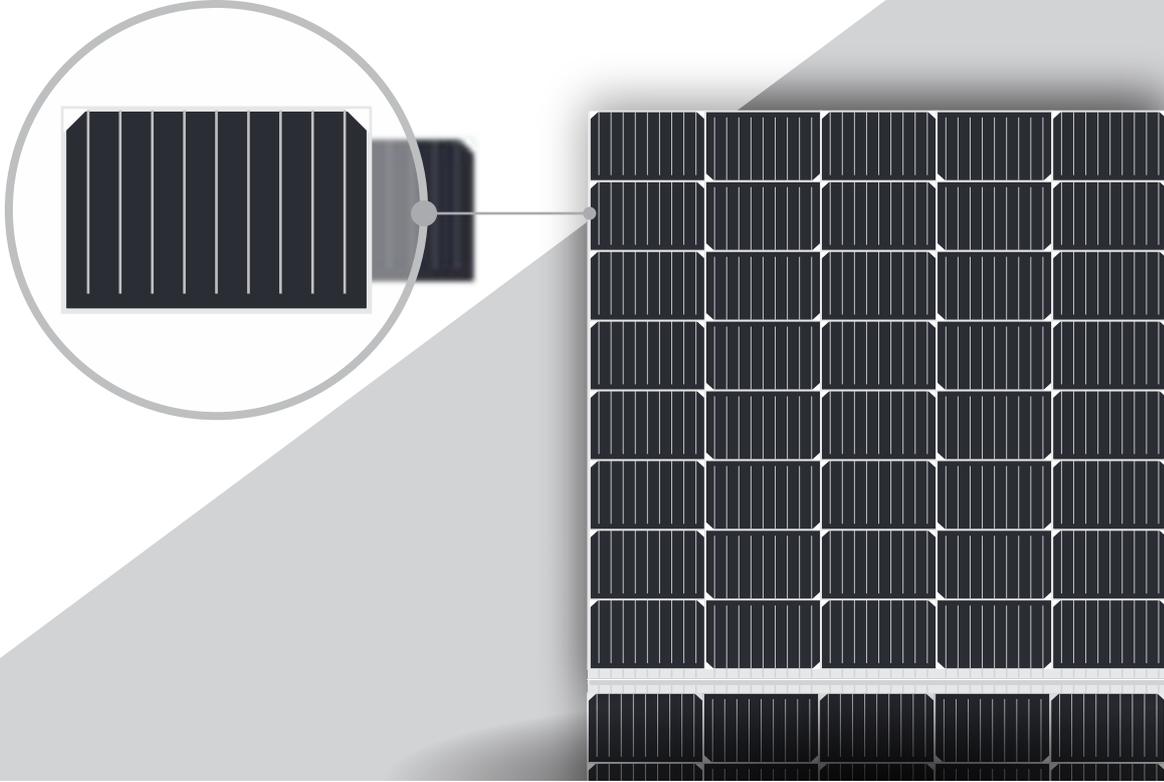
FLOW OF ELECTRICITY IN TWIN CELL SERIES SOLAR MODULES.

The twin sections reduce internal resistance and ensure continued production of energy when partially shaded.

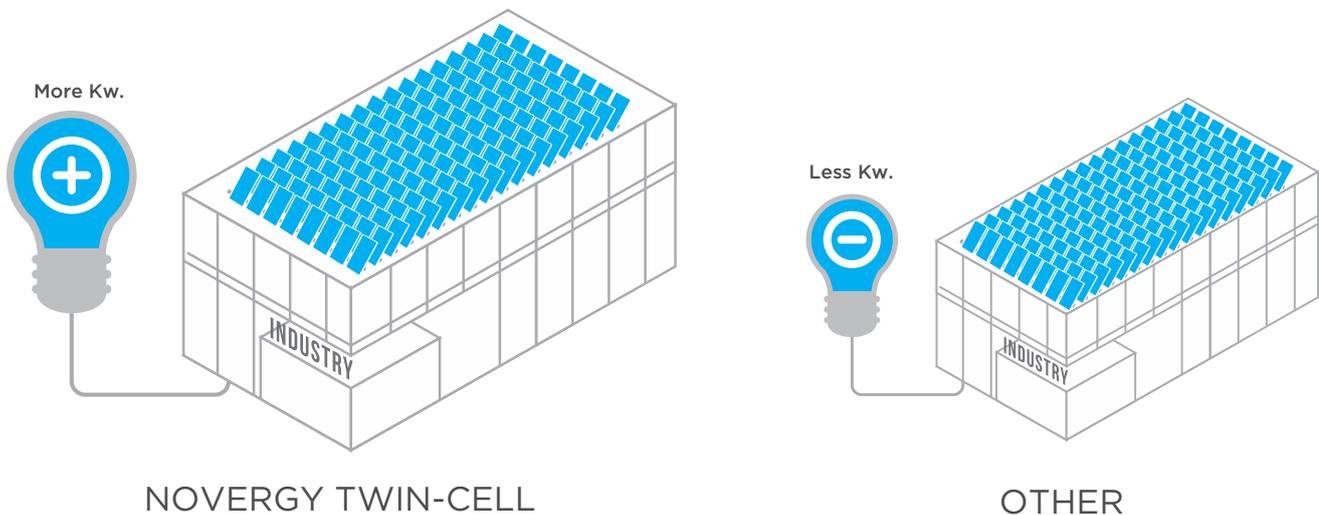


WITH MULTI-BUSBAR TECHNOLOGY (MBB)*

Our cell is equipped with a multi busbars.
It means our modules provide a higher reliability
and less internal cell resistance losses.



GENERATES MORE SOLAR POWER IN LESSER SPACE.



**On Select Models*

MORE POWER & MORE RELIABLE



Low power loss in cell connection



Better shading tolerance



Low NMOT: $42 \pm 3^{\circ}\text{C}$
Low Temperature Coefficient (Pmax): $-0.35\%/^{\circ}\text{C}$



Lower hot spot temperature

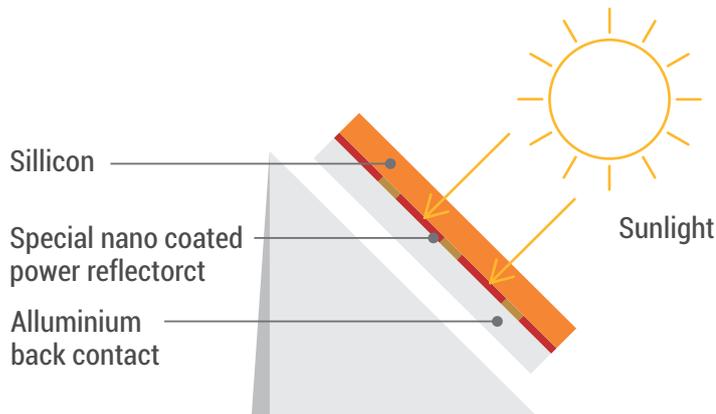


Heavy snow load up to 5400 pa,
wind load up to 3600 Pa*

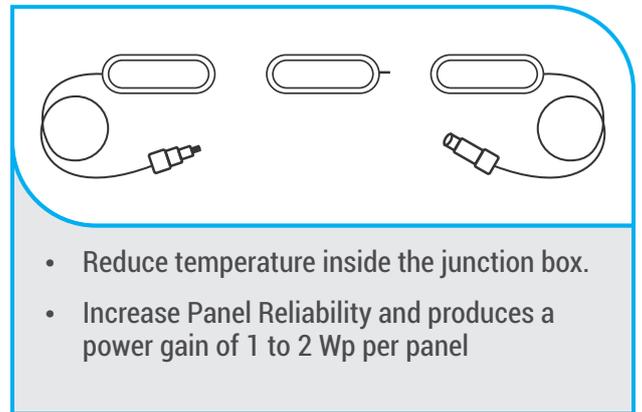


Minimizes micro-cracks

PERC SOLAR CELL



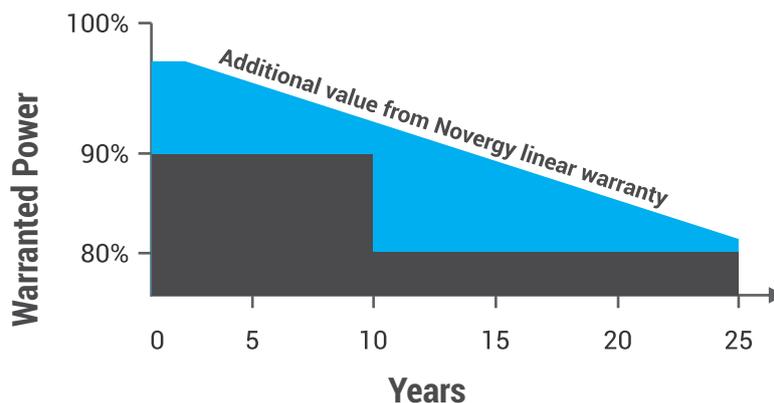
SPLIT JUNCTION BOX



25 YEARS LINEAR WARRANTY

● Novergy linear performance warranty

● Standard Warranty



10 Years Product Warranty



MONO PERC TWIN CELL SERIES

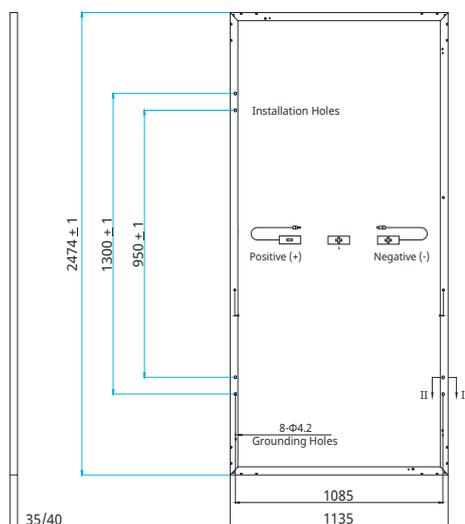
(156 Twin Cell)

MCAL-TC-Series

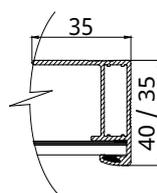
(580 - 620 wp)

MODELS	MCAL-TC-580	MCAL-TC-585	MCAL-TC-590	MCAL-TC-595	MCAL-TC-600	MCAL-TC-605	MCAL-TC-610	MCAL-TC-615	MCAL-TC-620
Type of cells	Mono Crystalline (PERC) (182 mm)								
numbers of cells	156 Twin Cell								
Wattage (Wp)	580	585	590	595	600	605	610	615	620
Voltage at max. power (Vmp)	44.32	44.47	44.62	44.77	44.92	45.07	45.22	45.37	45.52
Open Circuit Voltage (Voc)	53.52	53.67	53.82	53.97	54.12	54.27	54.42	54.57	54.72
Current at max. power (Imp)	13.10	13.16	13.23	13.30	13.36	13.43	13.49	13.56	13.63
Short Circuit current (Isc)	13.56	13.64	13.72	13.80	13.88	13.96	14.04	14.12	14.20
Frame	Anodized Aluminium Alloy								
Front Glass	Tempered 3.2 mm (Low iron solar glass)								
Junction Box	IP 68								
Solar Cable	4 mm ²								
Solar Connector	MC 4 Compatible								
Number of Diode	3 / 6								
Dimensions (mm)	2474 x 1135 x 35/40								
Max series fuse rating	20 A								
Weight (kg)	31.0								
Operating temprature(Deg. C)	-40 Deg C to + 85 Deg C								
Application Class	Class A								
Maximum System Voltage	1500 VDC								
Temp. coefficient's	Power=0.35% / Deg. C Voltage= - 0.31% / Deg. C Current=+0.05% / Deg. C								
NOCT	45 +/- 2 Deg. C								
Maximum Load	5400 Pa								

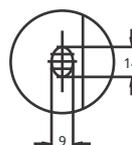
Rear View



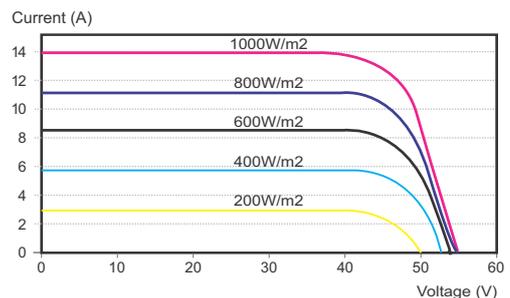
Frame Cross Section A-A



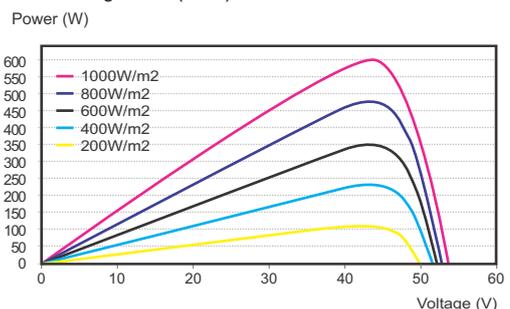
Mounting Hole



Current Voltage Curve (590W)



Power Voltage Curve (590W)



Specifications are subject to change without prior notice.

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Contact Novergy Today!**

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