

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.

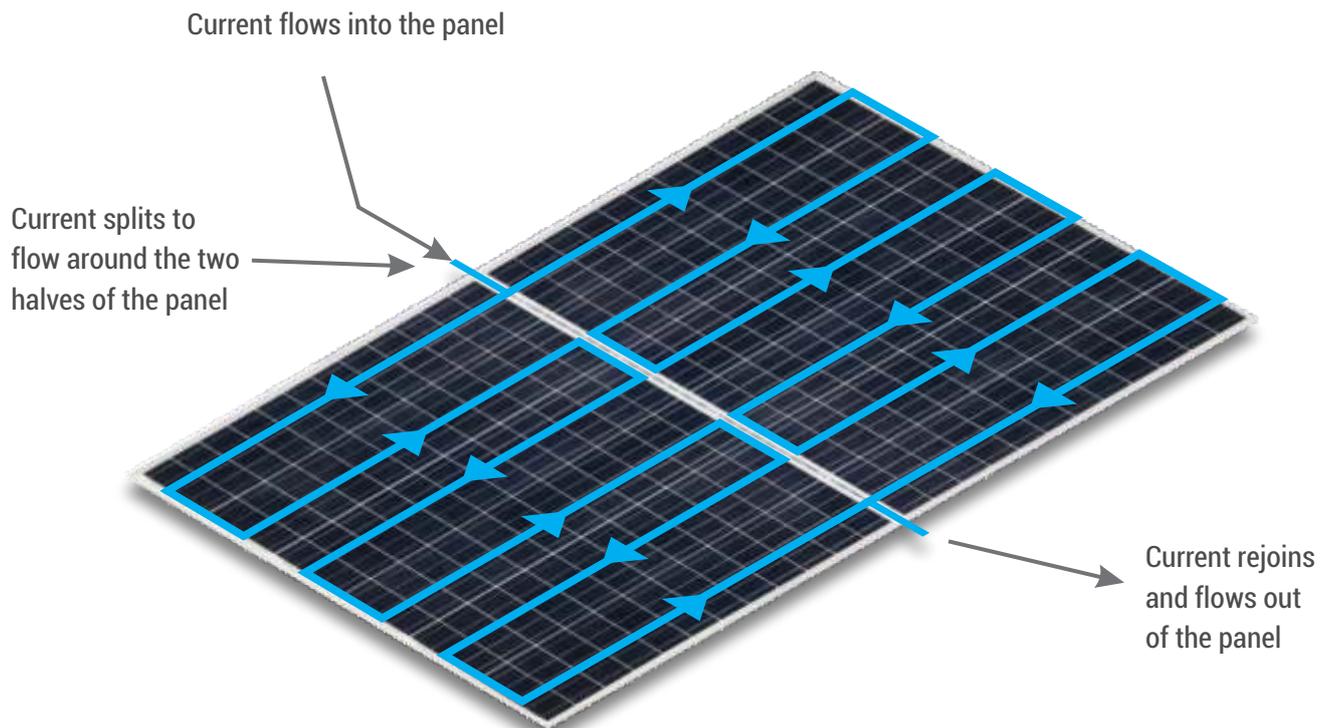
With this technology customer can boost their energy yield by generating the same power with fewer modules, or through generating higher system yield from the same surface area.

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



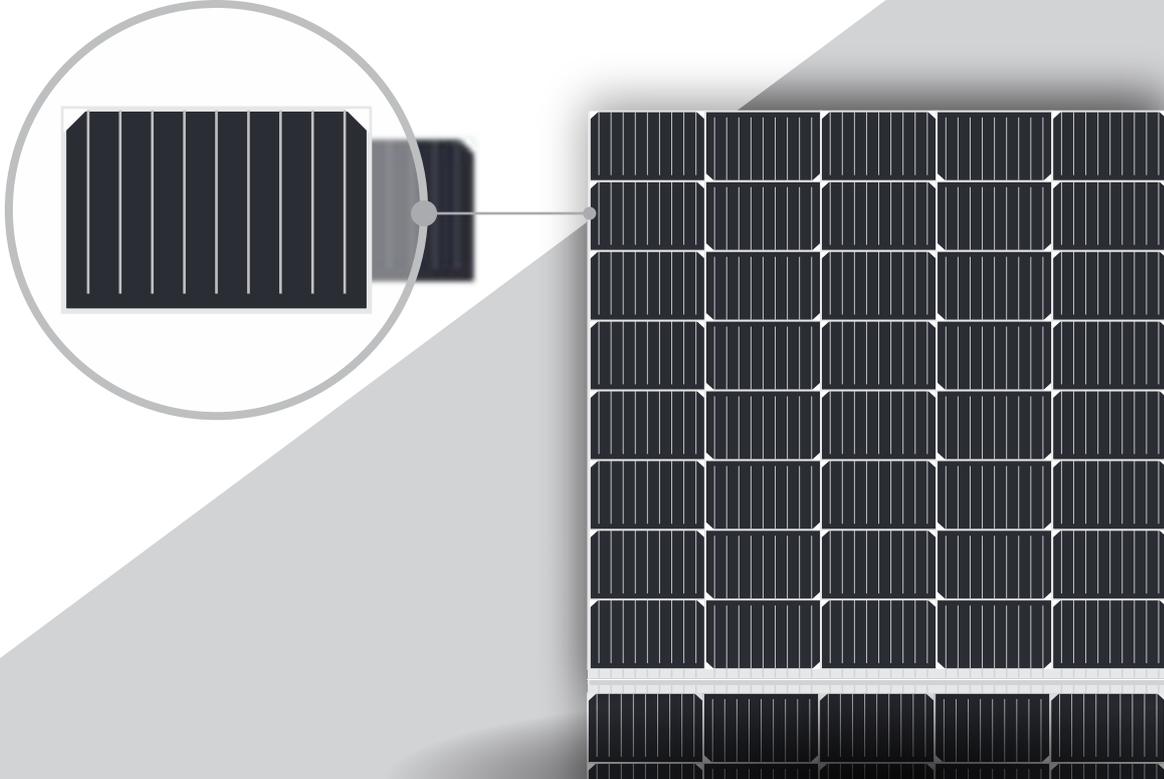
FLOW OF ELECTRICITY IN TWIN CELL SERIES SOLAR MODULES.

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

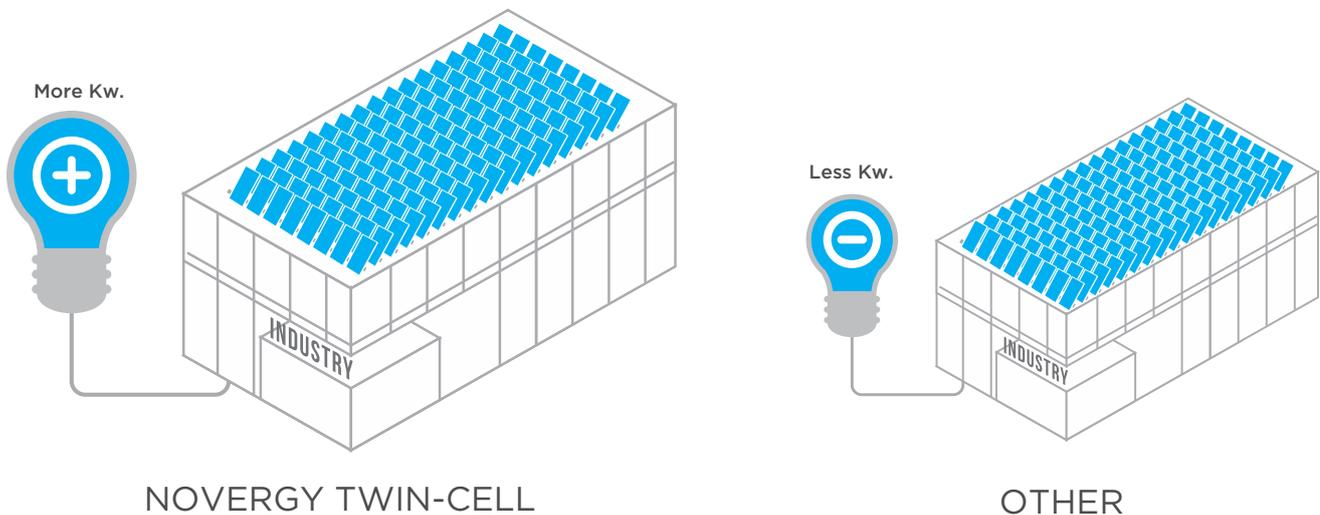


WITH MULTI-BUSBAR TECHNOLOGY (MBB)*

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

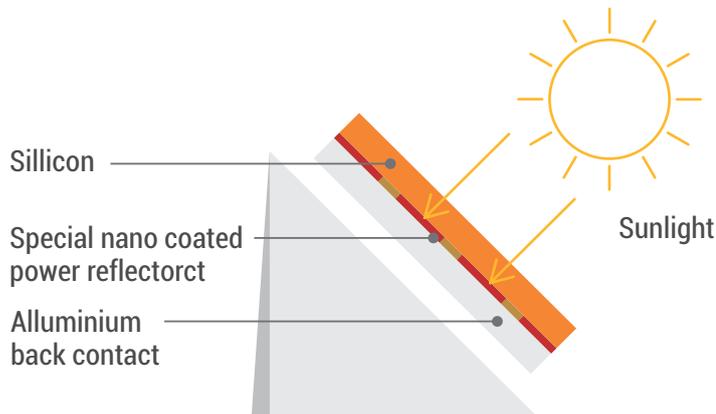


Heavy snow load up to 5400 pa,
wind load up to 3600 Pa*

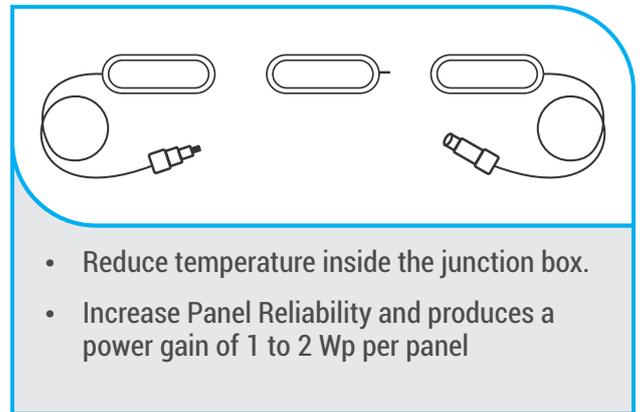


Minimizes micro-cracks

PERC SOLAR CELL



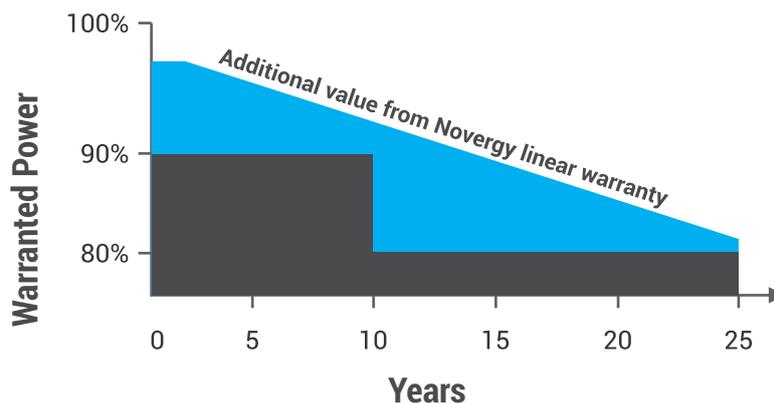
SPLIT JUNCTION BOX



25 YEARS LINEAR WARRANTY

● Novergy linear performance warranty

● Standard Warranty



10 Years Product Warranty



MONO PERC TWIN CELL SERIES

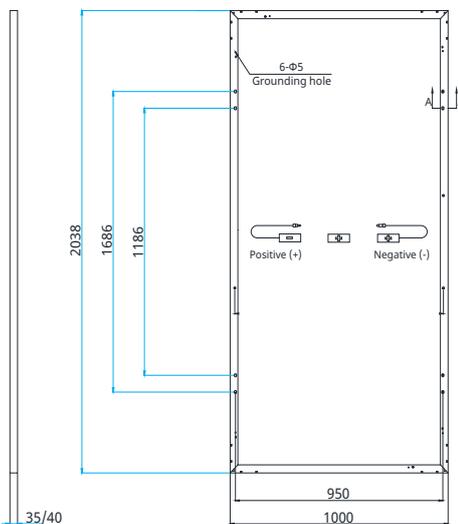
(144 Twin Cell)

MCAL-TC-Series

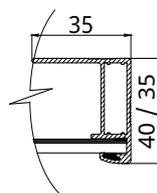
(400 - 430 wp)

MODELS	MCAL-TC-400	MCAL-TC-405	MCAL-TC-410	MCAL-TC-415	MCAL-TC-420	MCAL-TC-425	MCAL-TC-430
Type of cells	Mono Crystalline (PERC) (158.75 mm)						
numbers of cells	144 Twin Cell						
Wattage (Wp)	400	405	410	415	420	425	430
Voltage at max. power (Vmp)	40.80	41.01	41.20	41.40	41.60	41.80	42.10
Open circuit voltage (Voc)	48.60	48.80	49.00	49.20	49.40	49.60	49.80
Current at max. power (Imp)	9.82	9.88	9.96	10.03	10.10	10.17	10.23
Short circuit current (Isc)	10.33	10.41	10.50	10.57	10.64	10.71	10.78
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)	2038 x 1000 x 35 / 40						
Max series fuse rating	20 A						
Weight (kg)	22.5						
Operating temprature(Deg. C)	-40 Deg C to + 85 Deg C						
Application Class	Class A						
Maximum System Voltage	1000 VDC						
Temp. coefficient's	Power=0.35% / Deg. C Voltage= - 0.29% / Deg. C Current=+0.05% / Deg. C						
NOCT	45 +/- 3 Deg. C						
Maximum Load	5400 Pa						

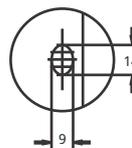
Rear View



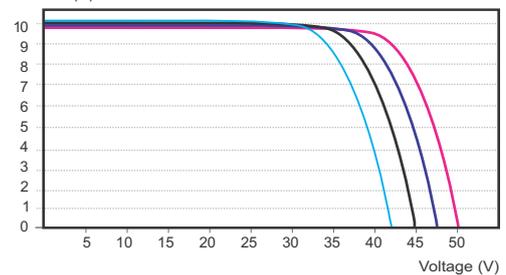
Frame Cross Section A-A



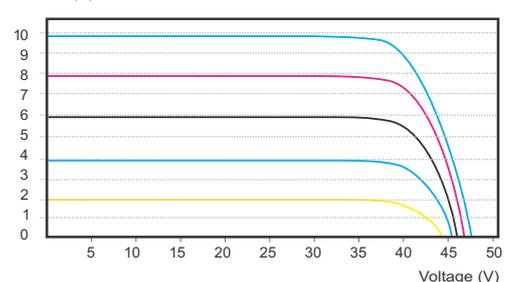
Mounting Hole



Current (A)



Current (A)



Specifications are subject to change without prior notice.

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