

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.

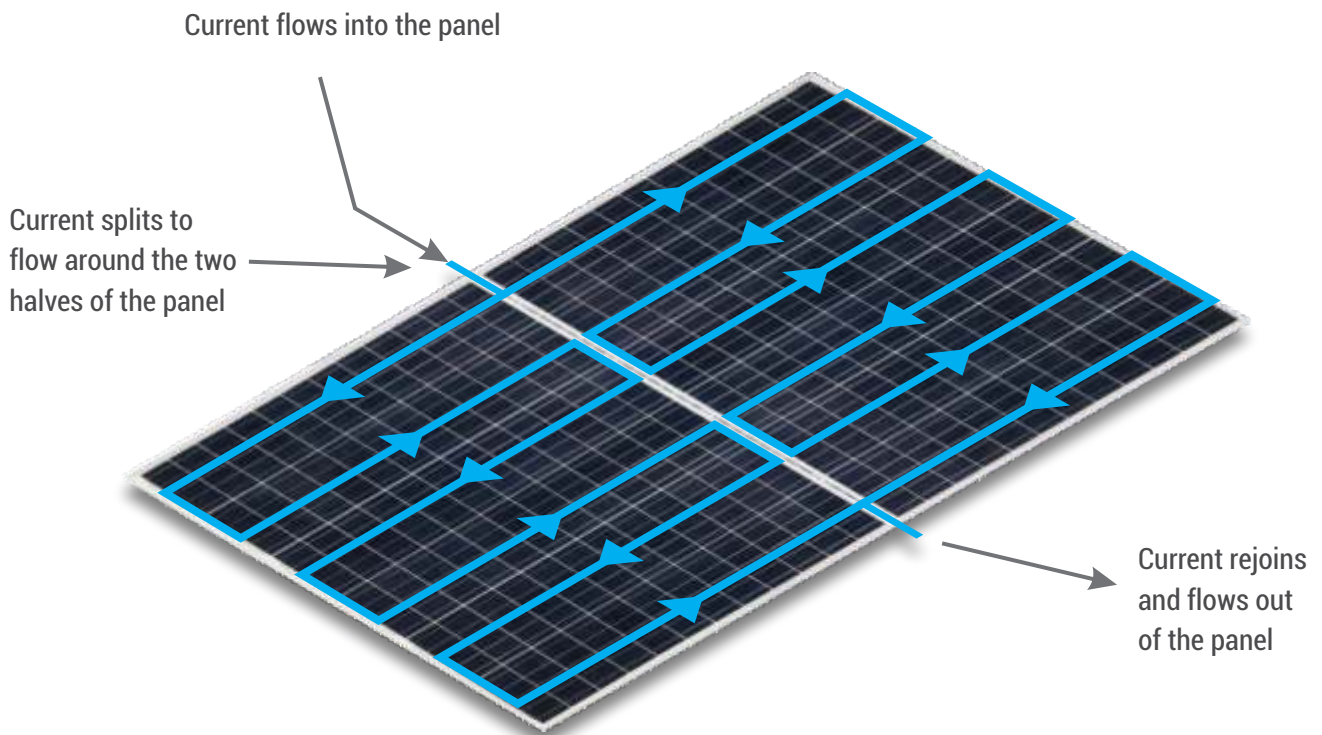
With this technology customer can boost their energy yield by generating the same power with fewer modules, or through generating higher system yield from the same surface area.

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.

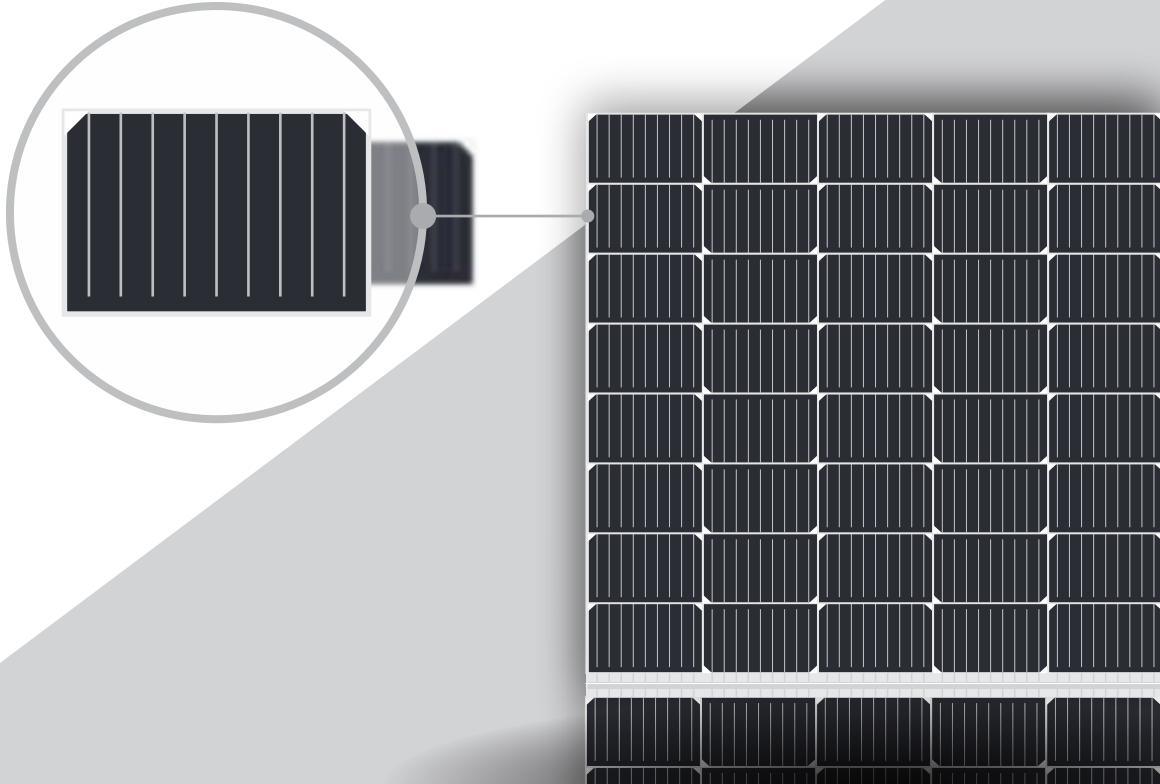
The twin sections reduce internal resistance and ensure continued production of energy when partially shaded.



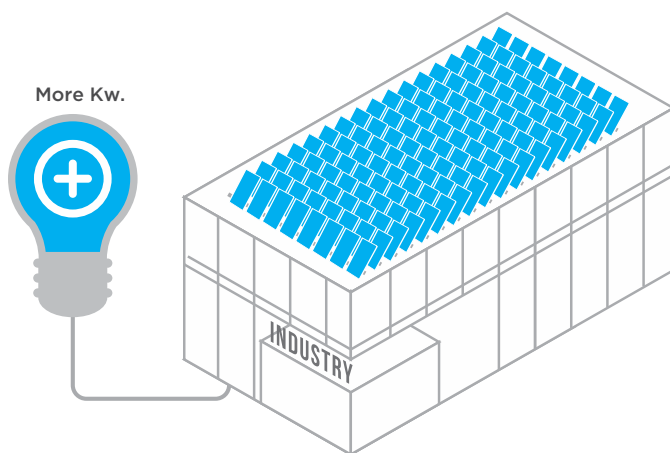
WITH MULTI-BUSBAR TECHNOLOGY (MBB)*

Our cell is equipped with a multi busbars.

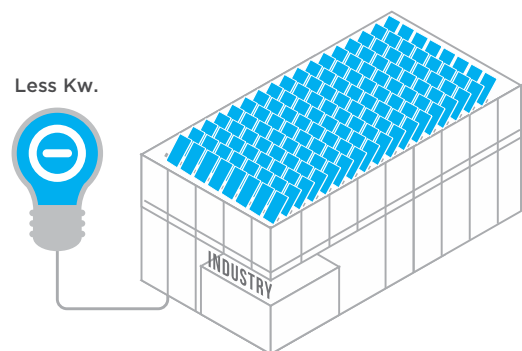
It means our modules provide a higher reliability and less internal cell resistance losses.



GENERATES MORE SOLAR POWER IN LESSER SPACE.



NOVERGY TWIN-CELL



OTHER

**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

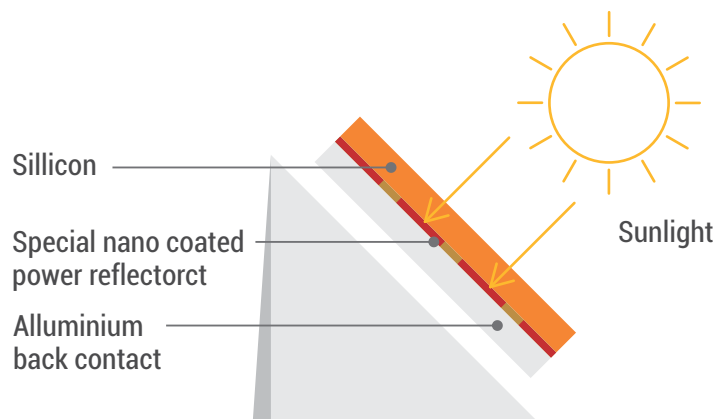


Heavy snow load up to 5400 pa,
wind load up to 3600 Pa*

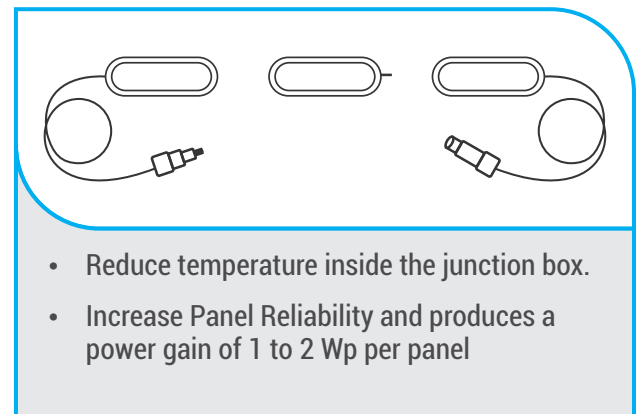


Minimizes micro-cracks

PERC SOLAR CELL



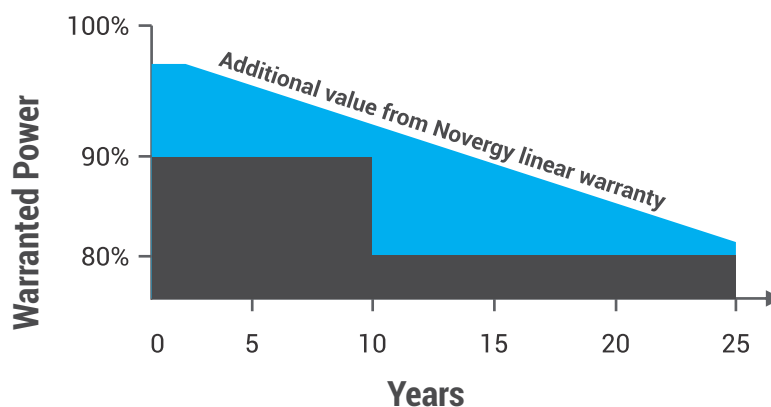
SPLIT JUNCTION BOX



25 YEARS LINEAR WARRANTY

● Novergy linear performance warranty

● Standard Warranty



10 Years Product Warranty



MONO PERC TWIN CELL SERIES

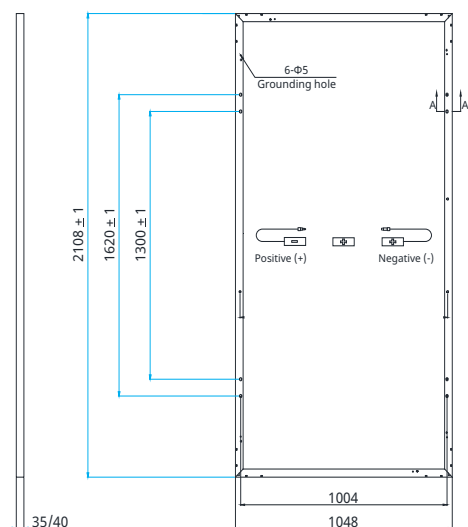
(144 Twin Cell)

MCAL-TC-Series

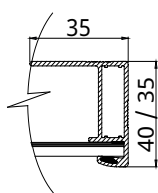
(440 - 480 wp)

MODELS	MCAL-TC-440	MCAL-TC-445	MCAL-TC-450	MCAL-TC-455	MCAL-TC-460	MCAL-TC-465	MCAL-TC-470	MCAL-TC-475	MCAL-TC-480
Type of cells	Mono Crystalline (PERC) (166 mm)								
numbers of cells	144 Twin Cell								
Wattage (Wp)	440	445	450	455	460	465	470	475	480
Voltage at max. power (Vmp)	42.98	43.13	43.29	43.42	43.61	43.79	43.96	44.15	44.33
Open circuit voltage (Voc)	51.79	52.04	52.29	52.52	52.75	52.98	53.21	53.44	53.67
Current at max. power (Imp)	10.24	10.32	10.40	10.48	10.55	10.62	10.70	10.76	10.83
Short circuit current (Isc)	10.96	11.08	11.19	11.32	11.43	11.54	11.65	11.76	11.87
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)	2108 x 1048 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	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								

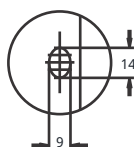
Rear View



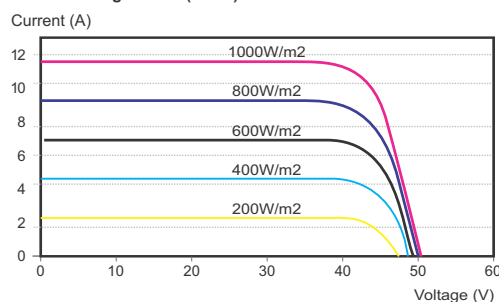
Frame Cross Section A-A



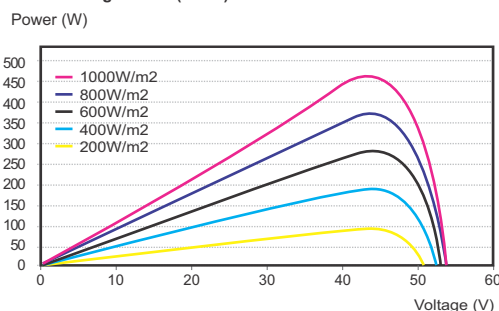
Mounting Hole



Current Voltage Curve (455W)



Power Voltage Curve (455W)



Specifications are subject to change without prior notice.



MONO PERC TWIN CELL SERIES

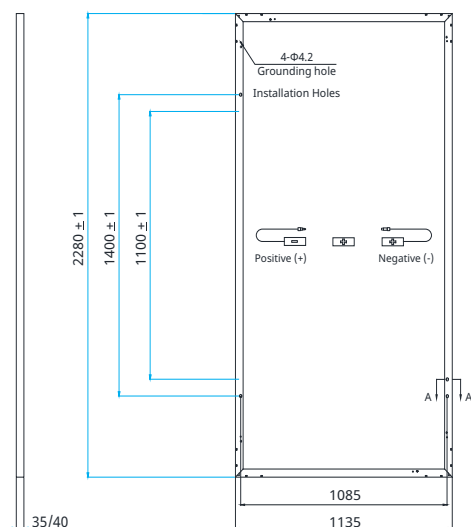
(144 Twin Cell)

MCAL-TC-Series

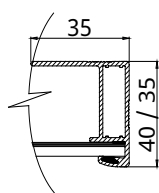
(525 - 575 wp)

MODELS	MCAL-TC-525	MCAL-TC-530	MCAL-TC-535	MCAL-TC-540	MCAL-TC-545	MCAL-TC-550	MCAL-TC-555	MCAL-TC-560	MCAL-TC-565	MCAL-TC-570	MCAL-TC-575
Type of cells	Mono Crystalline (PERC) (182mm)										
numbers of cells	144 Twin Cell										
Wattage (Wp)	525	530	535	540	545	550	555	560	565	570	575
Max. Power Voltage-Vmp(V)	41.26	41.41	41.55	41.72	41.90	42.10	42.30	42.52	42.74	42.96	43.17
Open Circuit voltage Voc (V)	49.12	49.32	49.52	49.69	49.90	50.10	50.30	50.50	50.70	50.90	61.10
Max. Power Current-Imp(A)	12.73	12.81	12.88	12.95	13.01	13.07	13.13	13.18	13.22	13.27	13.32
Short circuit current Isc (A)	13.63	13.70	13.78	13.86	13.90	13.95	14.00	14.05	14.10	14.15	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)	2280 x 1135 x 35/40										
Max series fuse rating	20 A										
Weight (kg)	28.5										
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										

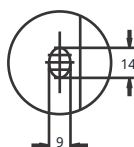
Rear View



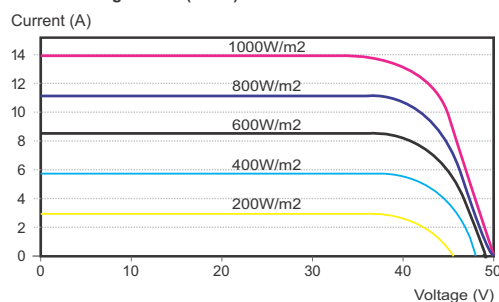
Frame Cross Section A-A



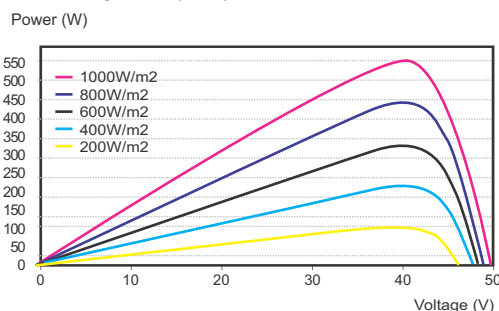
Mounting Hole



Current Voltage Curve (545W)



Power Voltage Curve (545W)



Specifications are subject to change without prior notice.



MONO PERC TWIN CELL SERIES

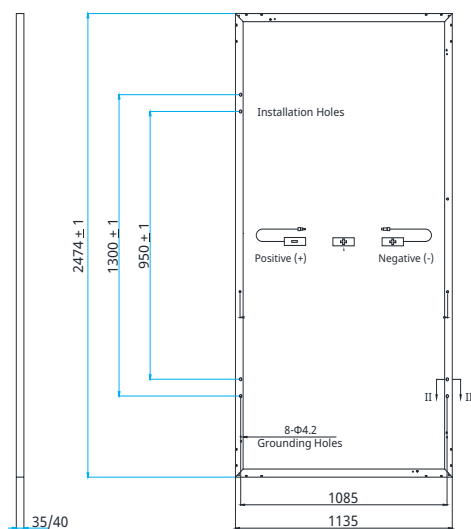
(156 Twin Cell)

MCAL-TC-Series

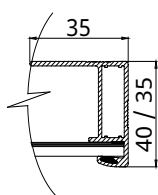
(580 - 620 wp)

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								

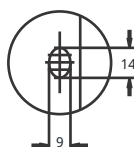
Rear View



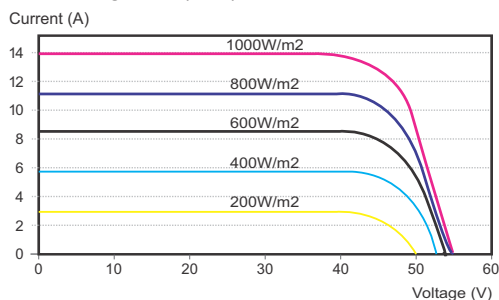
Frame Cross Section A-A



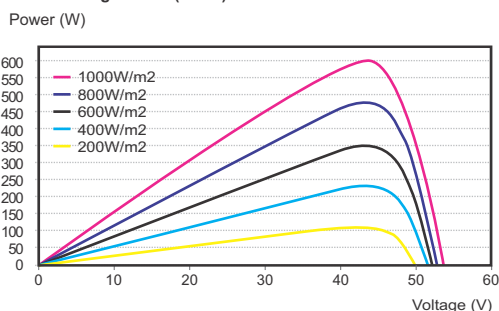
Mounting Hole



Current Voltage Curve (590W)



Power Voltage Curve (590W)



Specifications are subject to change without prior notice.



MONO PERC TWIN CELL SERIES

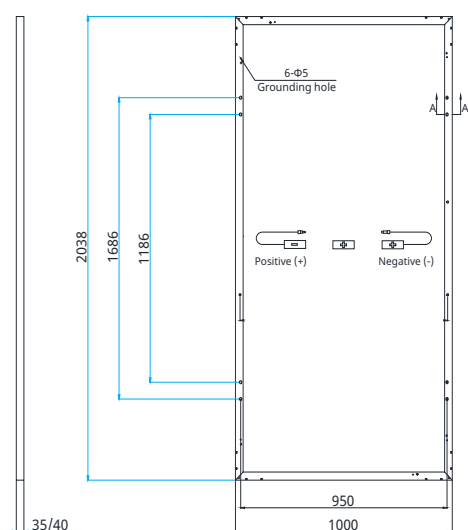
(144 Twin Cell)

MCAL-TC-Series

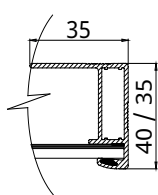
(400 - 430 wp)

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						

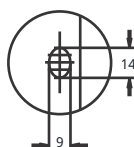
Rear View



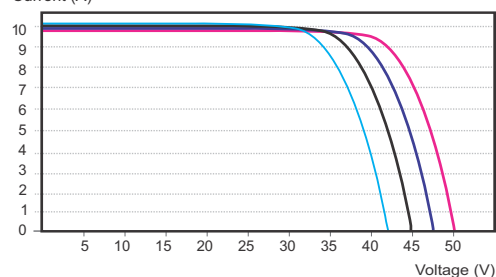
Frame Cross Section A-A



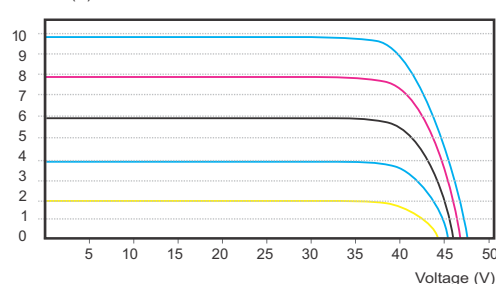
Mounting Hole



Current (A)



Current (A)



Specifications are subject to change without prior notice.



POLY PERC TWIN CELL SERIES

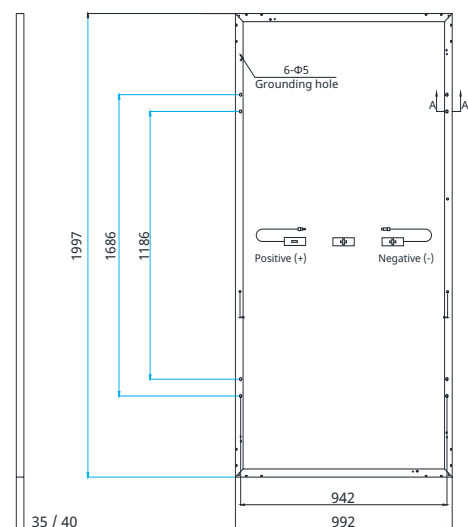
(144 Twin Cell)

PCAL-TC-Series

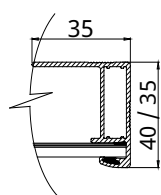
(335 - 360 wp)

Model	PCAL-TC-335	PCAL-TC-340	PCAL-TC-345	PCAL-TC-350	PCAL-TC-355	PCAL-TC-360
Type of cells	Poly Crystalline PERC (157 mm)					
Numbers of cells	144 Twin Cell					
Wattage (Wp)	335	340	345	350	355	360
Voltage at max. power (Vmp)	38.20	38.40	38.60	39.20	39.40	39.60
Open circuit voltage (Voc)	45.70	45.90	46.10	46.60	46.80	47.00
Current at max. power (Imp)	8.77	8.86	8.94	8.94	9.02	9.10
Short circuit current (Isc)	9.28	9.36	9.44	9.51	9.58	9.66
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)	1997 x 992 x 35					
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= - 0.31% / Deg. C Current=+0.05% / Deg. C					
NOCT	45 +/- 3 Deg. C					
Maximum Load	5400 Pa					

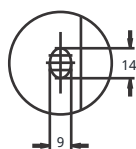
Rear View



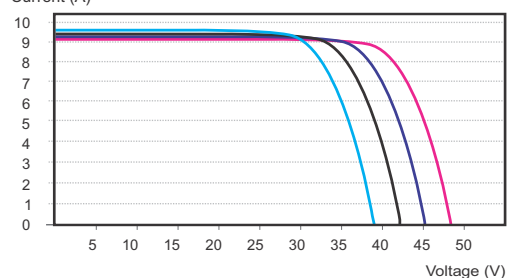
Frame Cross Section A-A



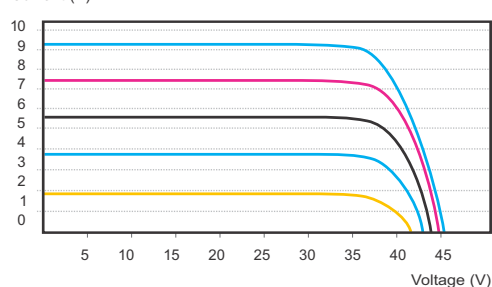
Mounting Hole



Current (A)



Current (A)



Specifications are subject to change without prior notice.

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Contact Novergy Today!**

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