



POWER GENERATION  
FOR GENERATIONS

# MAXIMISE POWER AND PERFORMANCE

GO SOLAR WITH A PROVEN PRODUCT AND  
GET THE BEST ENERGY HARVEST

PV MODULES WITH

**20.7%**

EFFICIENCY NOW

# Projects Across The Globe

## NOVERGY SITES.

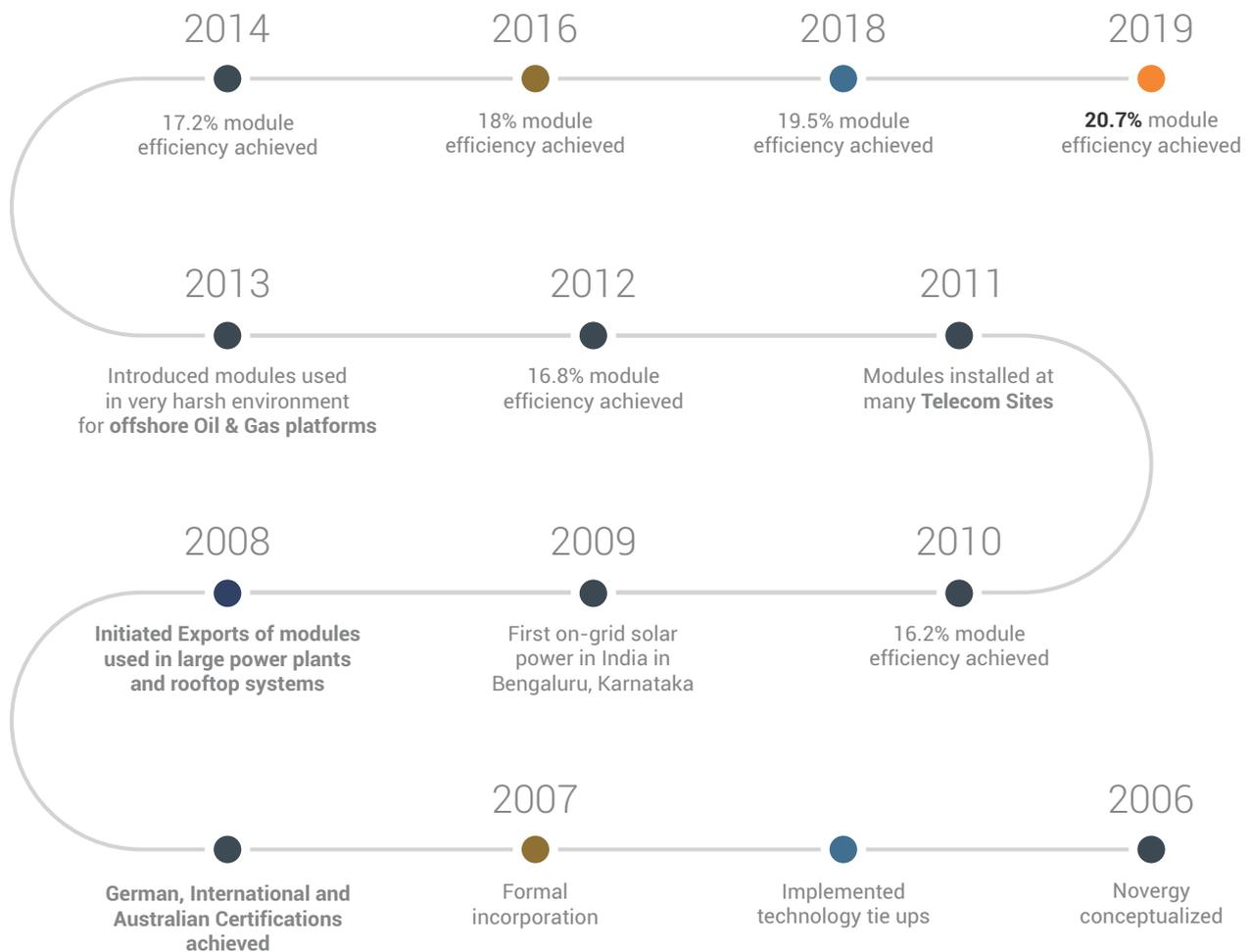
## CLIENT SNAPSHOT.



Products being used by various leading MNCs, corporates, solar EPC companies, Institutions and global organisations. Novergy products are exported to various countries around the globe.

# Our Journey

## NOVERGY MILESTONES

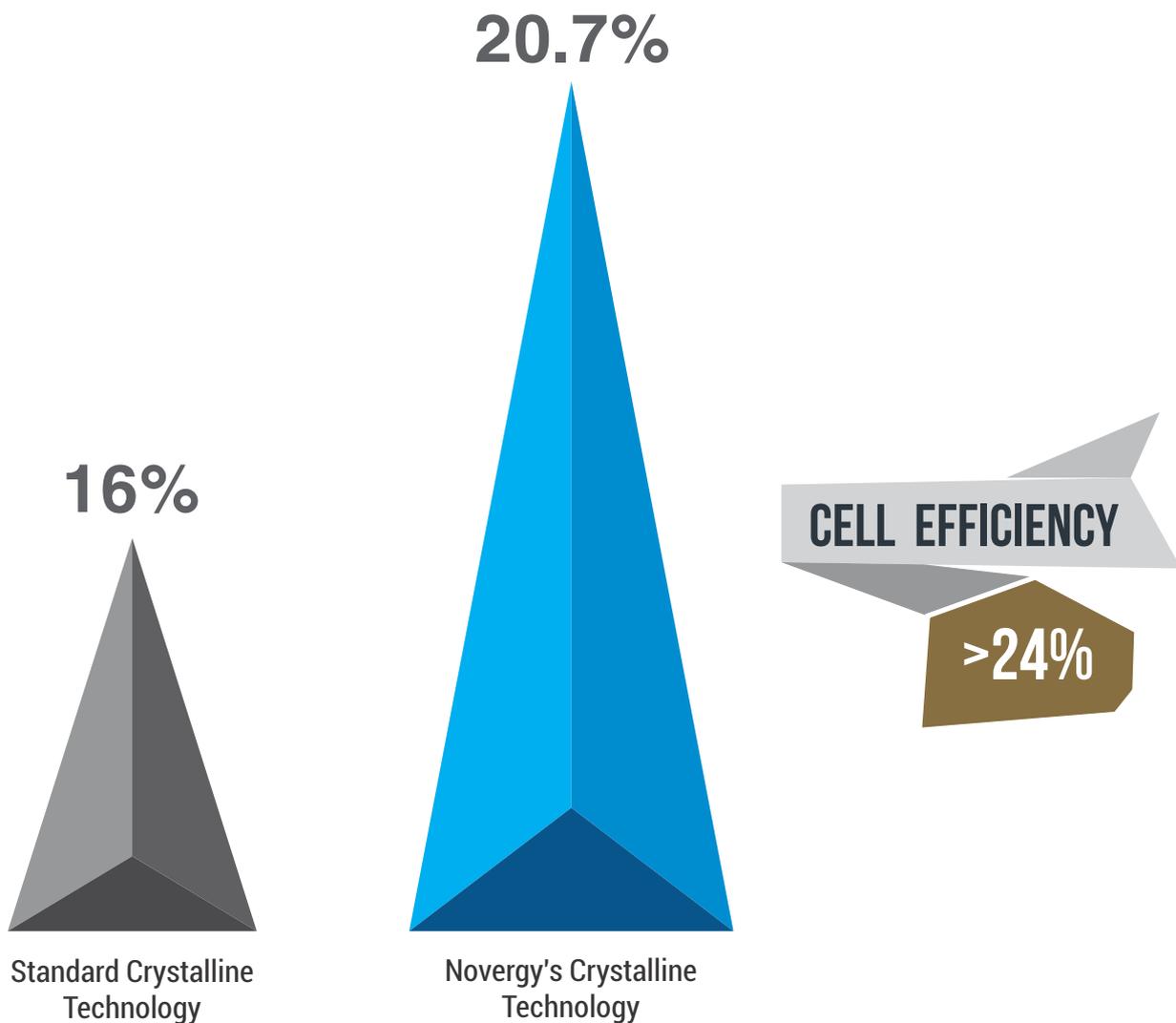


Efficiency only few can deliver

## GENERATE UPTO 30 PERCENT MORE SOLAR ENERGY WITH NOVERGY.

Our solar photovoltaic (PV) modules promises one of the highest efficiency quotients in the industry and lives upto it. As a global provider of durable solar power panels, Novergy has been solving power needs across industries for more than a decade. Our modules deliver more kWh energy than most other competitors.

### SUPERIOR MODULE EFFICIENCY



# Designed to Maximize Power

## **PROVEN PERFORMANCE OVER GENERATIONS.**

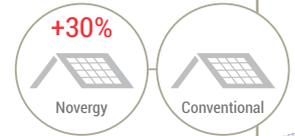
### Better Temperature Coefficient

Our PV modules have a better coefficient than conventional cells in the market. With our technology the reduction in energy yield is 0.37% only. While other standard C-Si modules reduce by upto 0.47%.

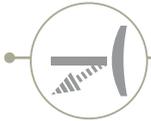


### More Power per m<sup>2</sup>

Our panels generate more power in lesser space.



### Anti-Reflective Coating On Glass



Due to ARC glass the modules are able all to absorb more light and hence generate more power.

### Lower Degradation



With use of high-grade materials, the cell degrades much lesser when first exposed to light. Hence, Reducing light-induced degradation.

### 5 Bus Bar Design\*



Enhances current transmission and module reliability.



\*Select models only

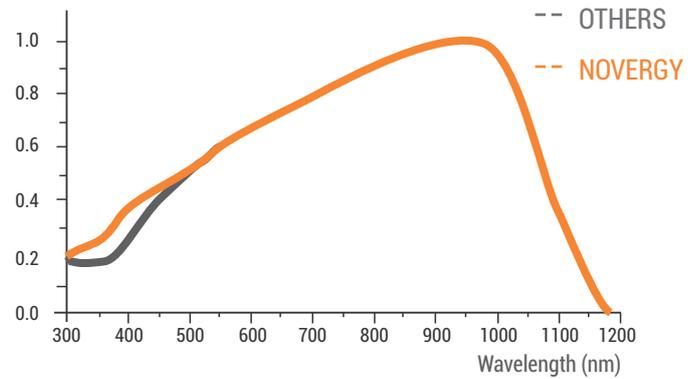
## Strong Mechanical Strength\*

Excellent mechanical load resistance: Certified to withstand high wind loads (2400 Pa) and Snow loads (5400 Pa).

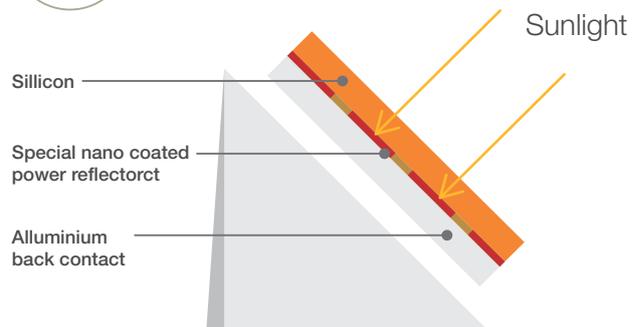


## Responsive in Low Light

Novergy modules capture more sunlight in low light. The modules generate power in low wavelengths thus ensuring better power generation during morning, evening, winters and cloudy conditions. They "Wake up" the inverters earlier in the morning and generate power to the maximum potential till later in the evening.



## PERC SOLAR CELL\*



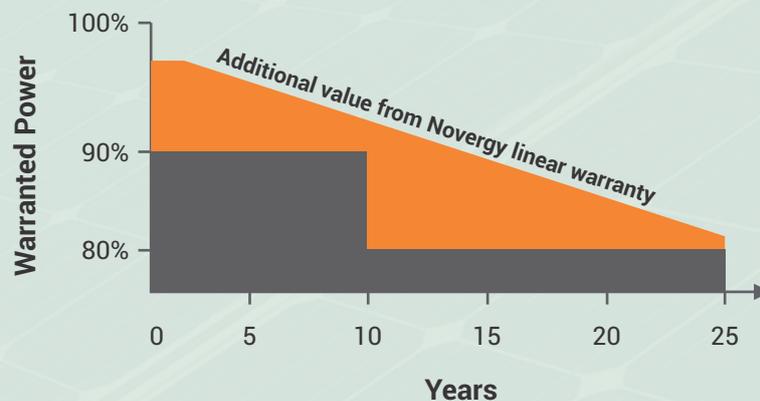
## PID Free

The modules are PID free for long & reliable performance.

We Offer both Monocrystalline and Polycrystalline Technologies

# 25 YEARS WARRANTY

- Novergy warranty
- Standard Warranty



- For a period of twenty-five (25) years commencing on the Warranty Start Date, loss of power output of the nominal power output measured at Standard Test Conditions (STC) for the Product(s) shall not exceed:
  1. For Polycrystalline Products: 2% in the first year, thereafter 0.67% per year, ending with 82% in the 25th year after the Warranty Start Date.
  2. For monocrystalline Products: 2% in the first year, thereafter 0.67% per year, ending with 82% in the 25th year after the Warranty Start Date.
- The modules carry a 10 year product warranty against any manufacturing defects.

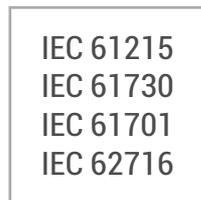
# Pretested to meet global standards **A PREMIUM PRODUCT. RELIABLE WITH BIGGER RETURNS**

Novergy panels deliver more kWh per rated kilowatt (kW) than conventional crystalline solar panels.  
That means an even greater ROI.

## Certifications / Compliance / Adhering / Tested

NOVERGY Solar modules comply with IEC standards : IEC 61215 ; IEC 61730 (Part I & II) ; IEC 61701,  
IEC 62716 : 2013 and MNRE requirements.

All components used of SOLAR Grade with GERMAN, AMERICAN, INTERNATIONAL STANDARDS and  
suitable for Outdoor usage with UV, moisture and weather stability.





# NOVERGY SOLAR MODULES

Now upto 415 wp available



**Poly Perc Twin Cell Series**  
(72 Full Cells)  
(335Wp to 360Wp)



**MonoPerc Twin Cell Series**  
(72 Full Cells)  
(375Wp to 415Wp)



**Poly Crystalline Series**  
(72 Cells)  
(300Wp to 350Wp)



**Poly Crystalline Series**  
(60 Cells)  
(250Wp to 295Wp)



**Mono Crystalline Series**  
(72 Cells)  
(350Wp to 385Wp)



**Mono Crystalline Series**  
(60 Cells)  
(250Wp to 315Wp)



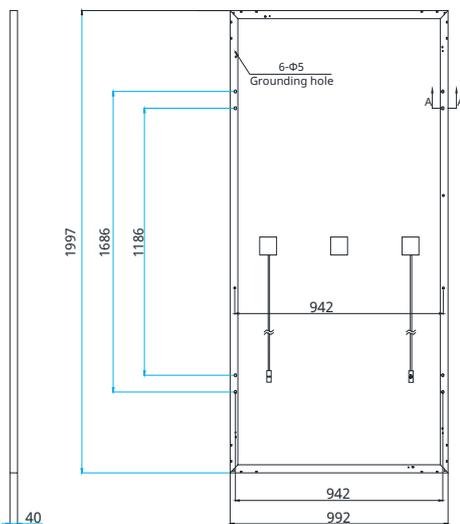
# POLY PERC TWIN CELL SERIES

(72 Full Cells)

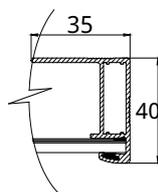
## PCAL-TC-Series

Model	PCAL-335	PCAL-340	PCAL-345	PCAL-350	PCAL-355	PCAL-360
Type of cells	Poly Crystalline					
Numbers of cells	72 (Twin Cell)					
Wattage (Wp)	335	340	345	350	355	360
Voltage at max.power (Vmax)	38.2	38.4	38.6	39.2	39.4	39.6
Open Circuit Voltage (Voc)	45.7	45.9	46.1	46.6	46.8	47
Current at maximum power (Imax)	8.77	8.86	8.94	8.94	9.01	9.09
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					
Cable	4 mm <sup>2</sup> PV cable					
Connector	MC4 Series					
Number of Diode	3					
Dimensions (mm)	1997 x 992 x 40 mm					
Max Series fuse rating	30 A					
Weight (Kg)	22.5					
Operating temperature (Deg.C)	-40° C to + 85° C					
Application Class	Class A					
Maximum System Voltage	1500 VDC					
Temp. Coefficient's	Power = 0.36%/°C Voltage = - 0.31%/°C Current = +0.05%/°C					
NOCT	43 +/- 3°C					
Maximum Load	5400 Pa					

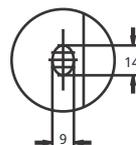
Rear View



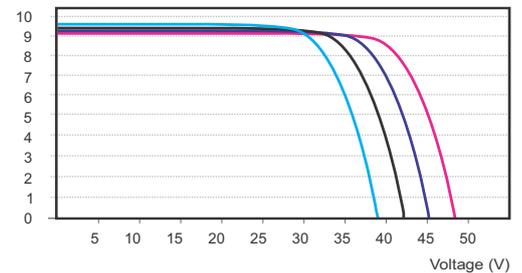
Frame Cross Section A-A



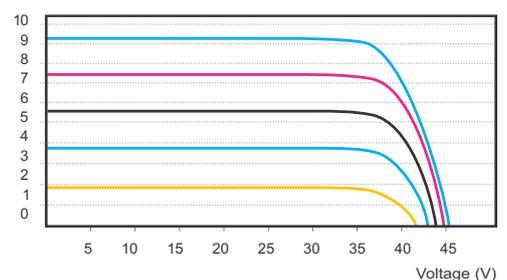
Mounting Hole



Current (A)



Current (A)



Specifications are subject to change without prior notice.



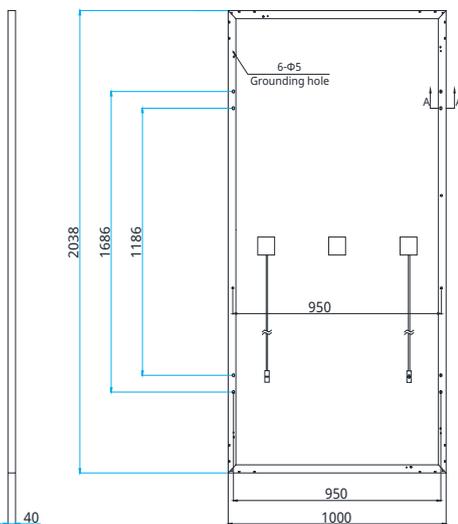
# MONO PERC TWIN CELL SERIES

(72 Full Cells)

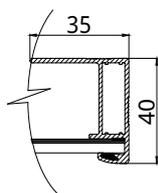
## MCAL-TC-Series

Model	MCAL-375	MCAL-380	MCAL-385	MCAL-390	MCAL-395	MCAL-400	MCAL-405	MCAL-415
Type of cells	Mono Crystalline (PERC)							
Numbers of cells	72 (Twin Cell)							
Wattage (Wp)	375	380	385	390	395	400	405	415
Voltage at max.power (Vmax)	39.8	40.0	40.2	40.4	40.6	40.8	41.0	41.2
Open Circuit Voltage (Voc)	47.6	47.8	48.0	48.2	48.4	48.6	48.8	49.0
Current at maximum power (Imax)	9.43	9.50	9.58	9.66	9.73	9.80	9.88	10.07
Short circuit current (Isc)	9.93	10.01	10.09	10.17	10.25	10.33	10.41	10.50
Frame	Anodized Aluminium Alloy							
Front Glass	Tempered 3.2 mm (Low iron solar glass)							
Junction Box	IP 68							
Cable	4 mm <sup>2</sup> PV cable							
Connector	MC4 Series							
Number of Diode	3							
Dimensions (mm)	2038 x 1000 x 40 mm							
Max Series fuse rating	30 A							
Weight (Kg)	22.5							
Operating temperature (Deg.C)	-40°C to +85°C							
Application Class	Class A							
Maximum System Voltage	1500 VDC							
Temp. Coefficient's	Power = 0.36%/°C Voltage = - 0.29% /°C Current = +0.05% /°C							
NOCT	43 +/- 3° C							
Maximum Load	5400 Pa							

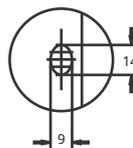
Rear View



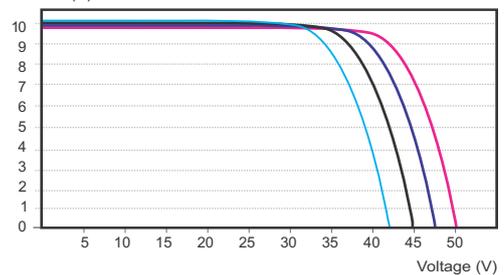
Frame Cross Section A-A



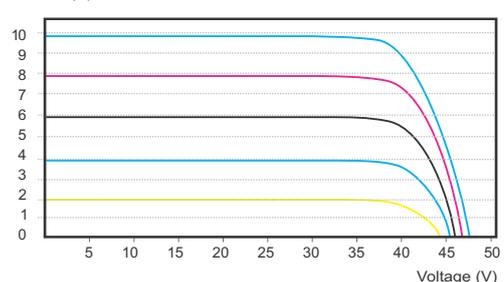
Mounting Hole



Current (A)



Current (A)



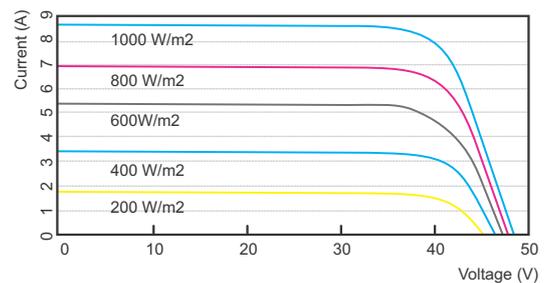
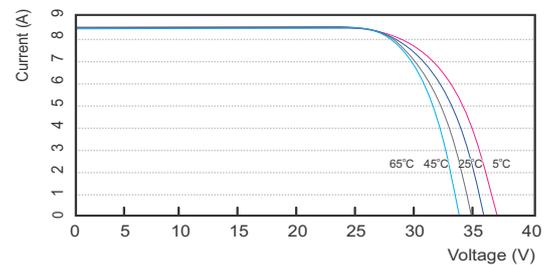
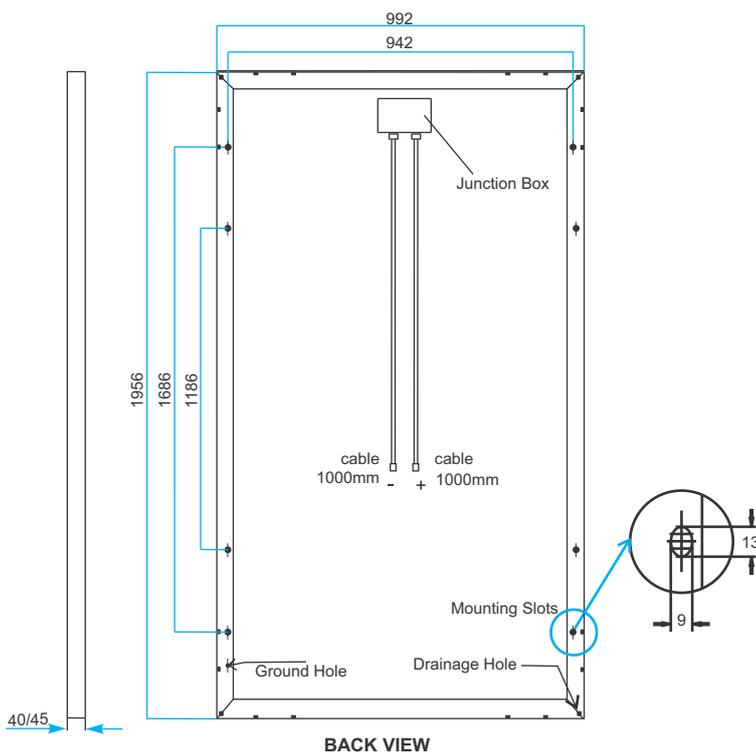
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# POLY CRYSTALLINE SERIES

## 72 Cell

Model	PCAL 300	PCAL 315	PCAL 320	PCAL 325	PCAL 330	PCAL 335	PCAL 340	PCAL 345	PCAL 350
Type of cells	6" Poly crystalline Silicon								
Number of cells	72								
Wattage (Wp)	300	315	320	325	330	335	340	345	350
Voltage at max. power (Vmax)	36.82	37.1	37.3	37.5	37.7	37.9	38.2	38.5	38.8
Open Circuit Voltage (Voc)	46.08	45.2	45.5	45.7	45.9	46.3	46.6	46.9	47.2
Current at maximum power (Imax)	8.15	8.49	8.58	8.67	8.75	8.84	8.90	8.96	9.02
Short circuit current (Isc)	8.53	9.19	9.26	9.32	9.35	9.39	9.44	9.49	9.56
Frame	Anodized Aluminium								
Front Glass	Tempered 3.2mm								
Junction box	IP67								
Cable	4mm <sup>2</sup> PV Cable								
Connector	MC4								
Number of Diode	3								
Dimensions (mm)	1956 x 992 x 40 / 45								
Max Series fuse rating	15A								
Weight (kg)	22								
Operating temperature (Deg. C)	-40 to +85								
Application Class	Class A								
Maximum system voltage	1000 VDC								
Temp. Coefficients	Power = - 0.37% / °C			Voltage = - 0.31% / °C			Current = + 0.05% / °C		
NOCT	45 +/- 2 °C								
Maximum Load	5400 Pa								



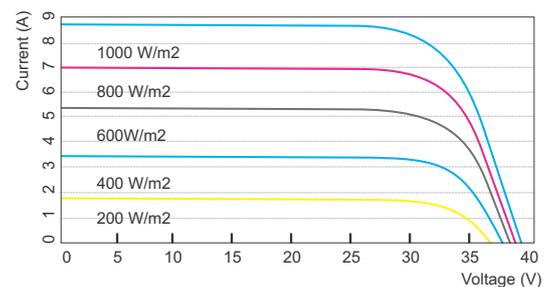
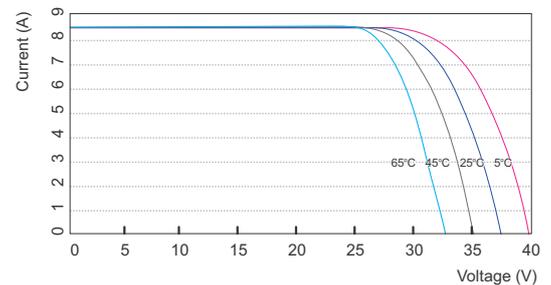
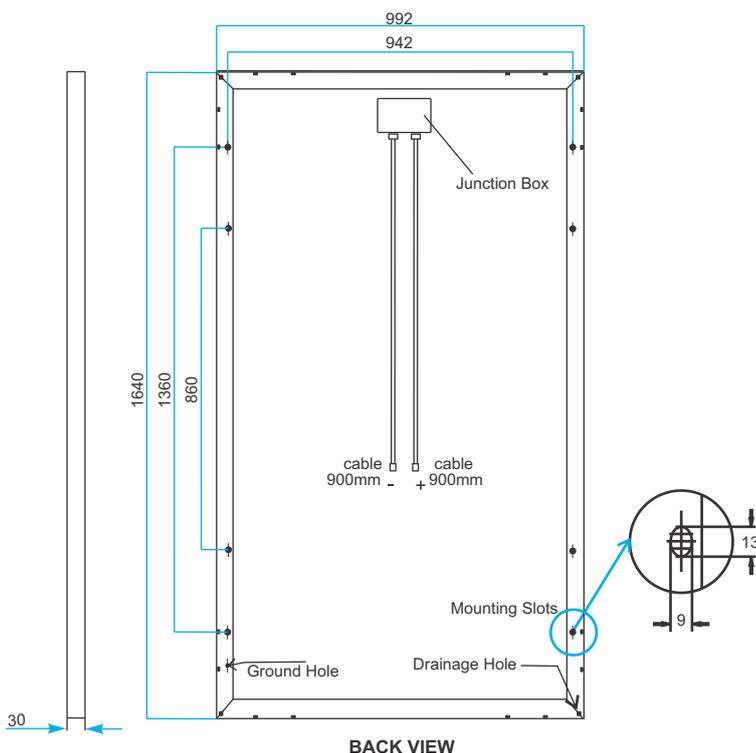
Specifications are subject to change without prior notice.



# POLY CRYSTALLINE SERIES

## 60 Cell

Model	PCA 250	PCA 265	PCA 270	PCA 275	PCA 280	PCA 285	PCA 290	PCA 295
Type of cells	6" Poly crystalline Silicon							
Number of cells	60							
Wattage (Wp)	250	265	270	275	280	285	290	295
Voltage at max. power (Vmax)	31.8	32.5	32.7	32.9	33.2	33.4	33.6	33.9
Open Circuit Voltage (Voc)	37.8	38.6	38.8	39.0	39.3	39.6	39.9	40.2
Current at maximum power (Imax)	7.86	8.15	8.26	8.36	8.43	8.53	8.63	8.70
Short circuit current (Isc)	8.25	8.54	8.65	8.74	8.85	8.96	9.06	9.17
Frame	Anodized Aluminium							
Front Glass	Tempered 3.2mm							
Junction box	IP67							
Cable	4mm <sup>2</sup> PV Cable							
Connector	MC4							
Number of Diode	3							
Dimensions (mm)	1640 x 992 x 30							
Max Series fuse rating	15A							
Weight (kg)	17.8							
Operating temperature (Deg. C)	-40 to +85							
Application Class	Class A							
Maximum system voltage	1000 VDC							
Temp. Coefficients	Power = - 0.37% / °C		Voltage = - 0.31% / °C		Current = + 0.05% / °C			
NOCT	45 +/- 2 °C							
Maximum Load	5400 Pa							



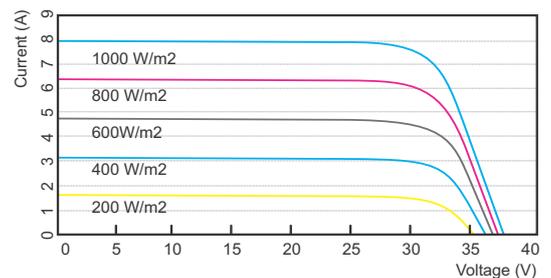
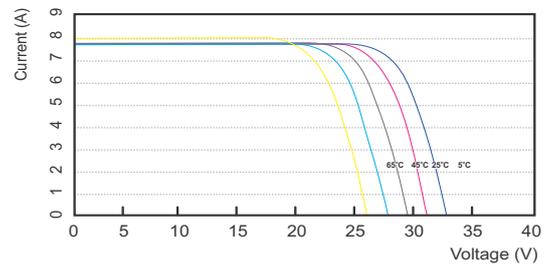
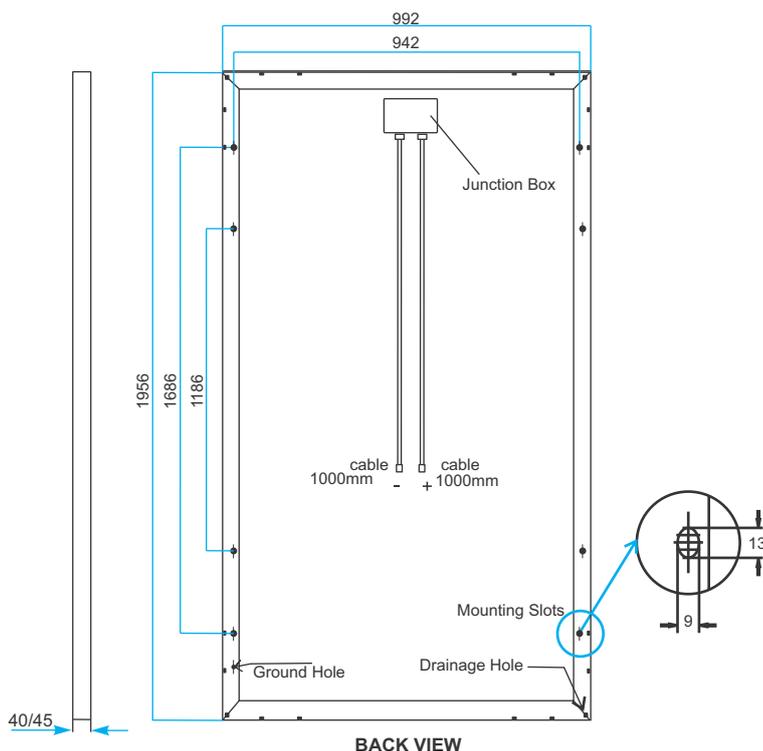
Specifications are subject to change without prior notice.



# MONO CRYSTALLINE SERIES

## 72 Cell

Model	MCAL 350	MCAL 355	MCAL 360	MCAL 365	MCAL 370	MCAL 375	MCAL 380	MCAL 385
Type of cells	6" Mono crystalline Silicon							
Number of cells	72							
Wattage (Wp)	350	355	360	365	370	375	380	385
Voltage at max. power (Vmax)	38.3	38.6	38.9	39.2	39.5	39.8	40.0	40.3
Open Circuit Voltage (Voc)	46.9	47.2	47.6	47.9	48.2	48.5	48.7	49
Current at maximum power (Imax)	9.14	9.20	9.25	9.31	9.38	9.44	9.50	9.56
Short circuit current (Isc)	9.64	9.72	9.78	9.85	9.91	9.98	10.05	10.11
Frame	Anodized Aluminium							
Front Glass	Tempered 3.2mm							
Junction box	IP67							
Cable	4mm <sup>2</sup> PV Cable							
Number of Diode	MC4							
Connector	3							
Dimensions (mm)	1956 x 992 x 40 / 45							
Max Series fuse rating	15A							
Weight (kg)	22							
Operating temperature (Deg. C)	-40 to +85							
Application Class	Class A							
Maximum system voltage	1000 VDC							
Temp. Coefficients	Power = - 0.37% / °C		Voltage = - 0.31% / °C			Current = + 0.05% / °C		
NOCT	45 +/- 2 °C							
Maximum Load	5400 Pa							



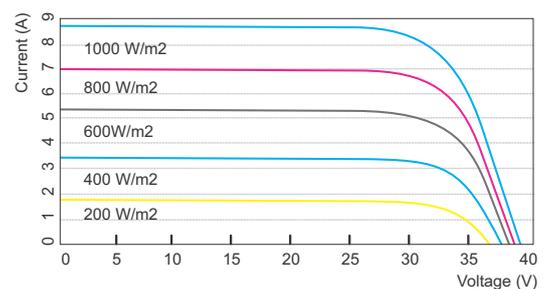
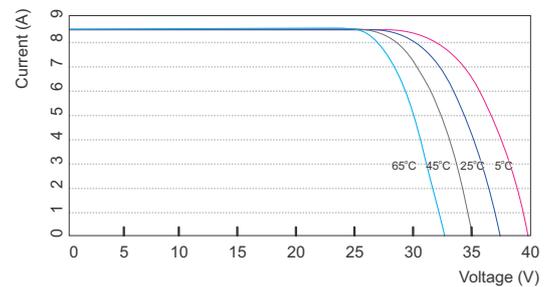
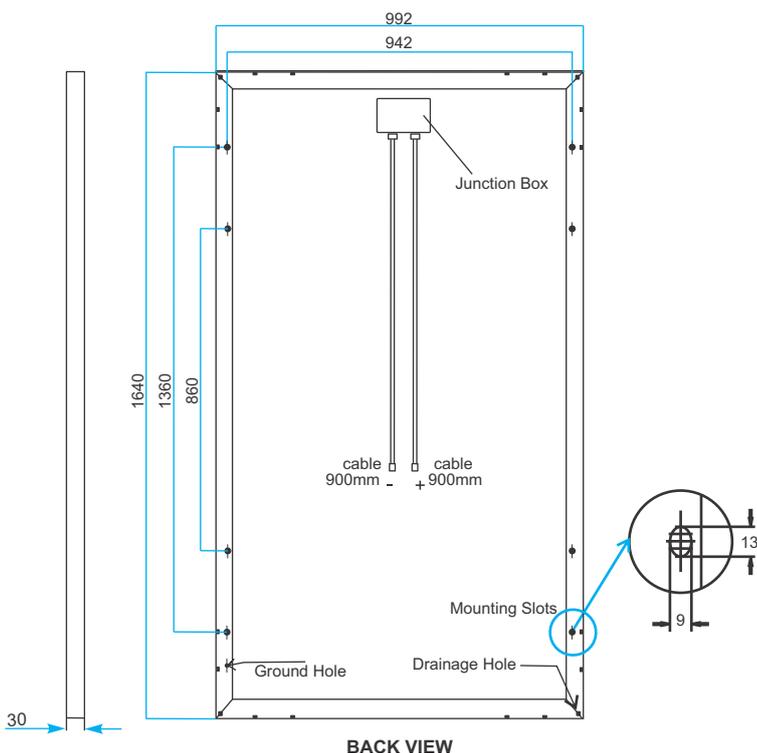
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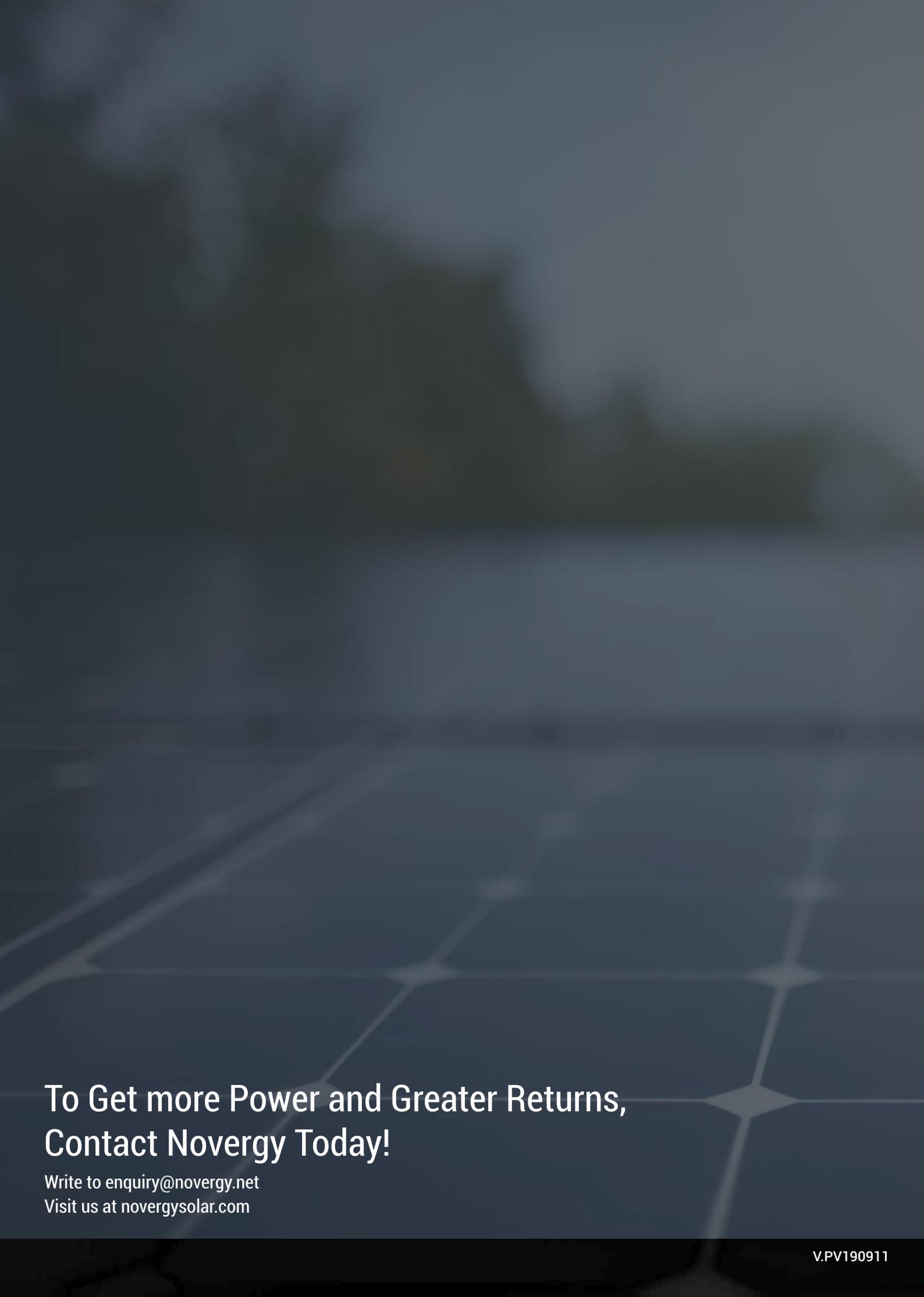
# MONO CRYSTALLINE SERIES

## 60 Cell

Model	MCA 250	MCA 265	MCA 285	MCA 290	MCA 295	MCA 300	MCA 305	MCA 310	MCA 315
Type of cells	6" Mono crystalline Silicon								
Number of cells	60								
Wattage (Wp)	250	265	285	290	295	300	305	310	315
Voltage at max. power (Vmax)	31.1	32.0	32.9	33.2	33.4	33.7	33.9	34.1	34.3
Open Circuit Voltage (Voc)	37.8	38.1	39.0	39.3	39.6	39.9	40.2	40.5	40.8
Current at maximum power (Imax)	8.04	8.28	8.66	8.73	8.83	8.90	9.00	9.09	9.18
Short circuit current (Isc)	8.14	8.33	8.74	8.85	8.96	9.05	9.16	9.27	9.38
Frame	Anodized Aluminium								
Front Glass	Tempered 3.2mm								
Junction box	IP67								
Cable	4mm <sup>2</sup> PV Cable								
Connector	MC4								
Number of Diode	3								
Dimensions (mm)	1640 x 992 x 30								
Max Series fuse rating	15A								
Weight (kg)	17.8								
Operating temperature (Deg. C)	-40 to +85								
Application Class	Class A								
Maximum system voltage	1000 VDC								
Temp. Coefficients	Power = - 0.37% /°C			Voltage = - 0.31% /°C			Current = + 0.05% /°C		
NOCT	45 +/- 2 °C								
Maximum Load	5400 Pa								



Specifications are subject to change without prior notice.



**To Get more Power and Greater Returns,  
Contact Novergy Today!**

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Visit us at [novergysolar.com](http://novergysolar.com)