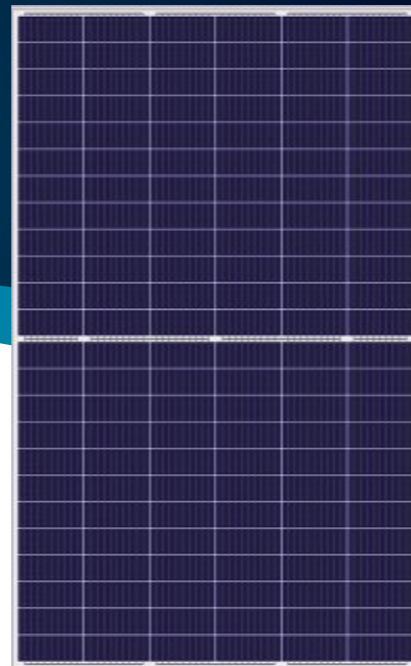


SM-72 PHC HALF CELL SERIES 144 CELLS

**340-360w**



**17.9%**  
Max efficiency

**15 YEARS**

Guarantee on product material and workmanship



**158.75mm**  
Polycrystalline solar cells

**25 YEARS**

Linear power output warranty

### KEY FEATURES



100% double EL test enabling remarkable reduction of hidden crack rate of modules



Positive power tolerance (3 ~ +10W) guaranteed



Lower risk of hot spot effects



Significantly lower LCOE and BoS cost savings



Low Light Features  
Higher performance under low light environment.



5BB/9BB Cell  
More uniform current collection capability, reducing the current heat loss of the internal cells.



PID Protection  
Ensure the attenuation probability caused by PID phenomenon is minimized

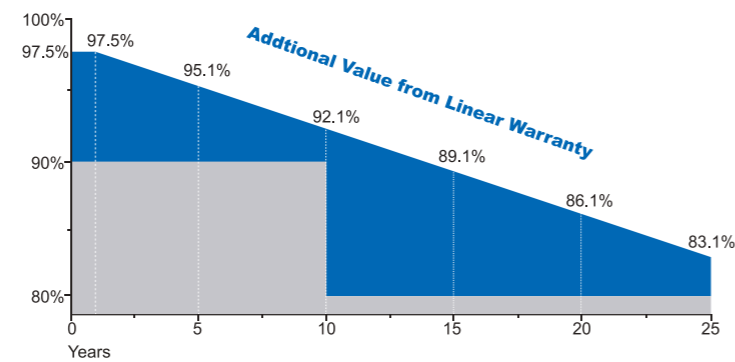
### MANAGEMENT SYSTEM

ISO 9001: Quality management system

ISO 14001: Standard for environmental management system

OHSAS 18001: International standard for occupational health and safety assessment system

### WARRANTY



### INSURANCE



### PRODUCT CERTIFICATES



### POLY HALF CELL | 9BB&5BB

#### Electric Characteristics

Model of modules	SM-340-72PHC		SM-345-72PHC		SM-350-72PHC		SM-355-72PHC		SM-360-72PHC	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power— $P_{mp}$ (W)	340W	255W	345W	259W	350W	263W	355W	266W	360W	270W
Open-circuit voltage— $V_{oc}$ (V)	46.7V	43.2V	46.9V	43.4V	47.1V	43.6V	47.3V	43.8V	47.5V	44.00V
Short-circuit current— $I_{sc}$ (A)	9.41A	7.53A	9.50A	7.60A	9.58A	7.66A	9.67A	7.74A	9.76A	7.81A
Maximum power voltage— $V_{mp}$ (V)	38.6V	36.25V	38.85V	36.5V	39.1V	36.75V	39.4V	37.00V	39.70V	37.25V
Maximum power current— $I_{mp}$ (A)	8.81A	7.04A	8.88A	7.09A	8.95A	7.41A	9.01A	7.20A	9.07A	7.25A
Module efficiency— $\eta_m$ (%)	16.9%		17.1%		17.4%		17.6%		17.9%	

STC: Irradiance 1000 W/m<sup>2</sup>, 25°C, AM1.5

NOCT: Irradiance 800 W/m<sup>2</sup>, 20°C, wind velocity 1m/s

#### Temperature Characteristics

Temperature coefficient at maximum power	-0.37%/ °C
Temperature coefficient of Voc	-0.29%/ °C
Temperature coefficient of Isc	+0.05%/ °C
Current operating temperature	-40~+85 °C
Rated operating temperature of cells	45±2 °C

#### Structural Characteristics

Module dimensions	2008x1002x40mm
Weight	22.5kg
No. of Half-cells	144(6x24)
Cell	Poly crystalline 158.75x79.38mm
Glass	3.2mm AR coating tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68, three diodes
Output wire	4.0 mm <sup>2</sup> , wire length: 1200mm or Customized
Connector	MC4 compatible
Mechanical load	Snow load 5400Pa/Wind load 2400Pa

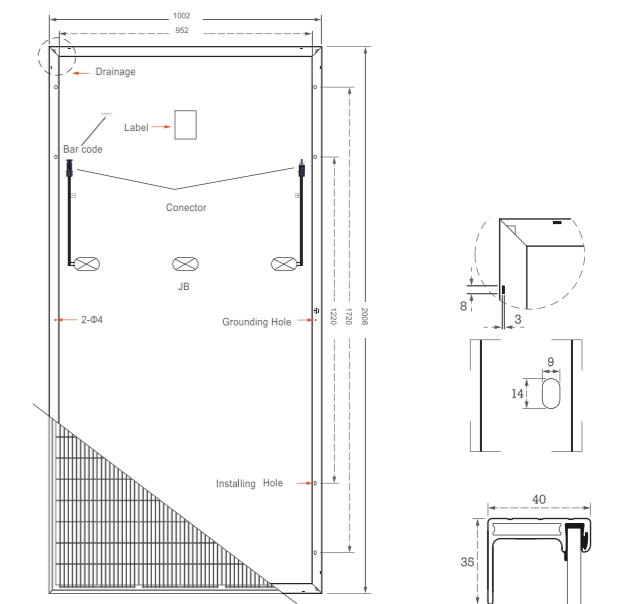
#### Working Characteristics

Power tolerance(W)	(3,+10)
Maximum system voltage(V)	1000V/1500V
Maximum rated fuse current (A)	20

#### Packaging Configuration

Container	20GP	40HQ
Quantity per pallet	26	27
Pallets per container	10	22
Quantity per container	260	660

#### Engineering Drawings



#### IV Curves

