

## Electrical Characteristics

Module Type	ANSRM60285	ANSRM60290	ANSRM60295	ANSRM60300
Maximum Power-Pmax (W)	285	290	295	300
Maximum Power Voltage-Vmp (V)	30.2	30.4	30.6	30.8
Maximum Power Current-Imp (A)	9.44	9.54	9.64	9.74
Open Circuit Voltage-Voc (V)	37.4	37.6	37.8	38.0
Short Circuit Current-Isc (A)	9.77	9.89	9.98	10.08
Module Efficiency- $\eta_m$ (%)	17.6	17.8	18.1	18.4
Power Tolerance (W)	0/+5			
Maximum System Voltage (V <sub>DC</sub> )	1000			
Maximum Series Fuse Rating (A)	15			
Operating Temperature (°C)	-40~+85			
Pmax Temperature Coefficient (%/°C)	-0.40			
Voc Temperature Coefficient (%/°C)	-0.31			
Isc Temperature Coefficient (%/°C)	0.05			
Nominal Operating Cell Temperature (°C)	44±2			

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5, Power measurement tolerance: +/-3%

## Mechanical Specifications

External Dimension	1650×992×35 mm
Weight	18.0Kg
Solar Cell	Mono 156.75x156.75 mm (60pcs)
Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68
Output Cable	4.0 mm <sup>2</sup> , cable length:900 mm
Connector	MC4 Compatible
Maximum Snow Load	5400 Pa or 550 Kg/mm <sup>2</sup>
Maximum Wind Load	2400 Pa or 244 Kg/mm <sup>2</sup>
Hail Resistance	Max. Ø 28 mm, at 23 m/s

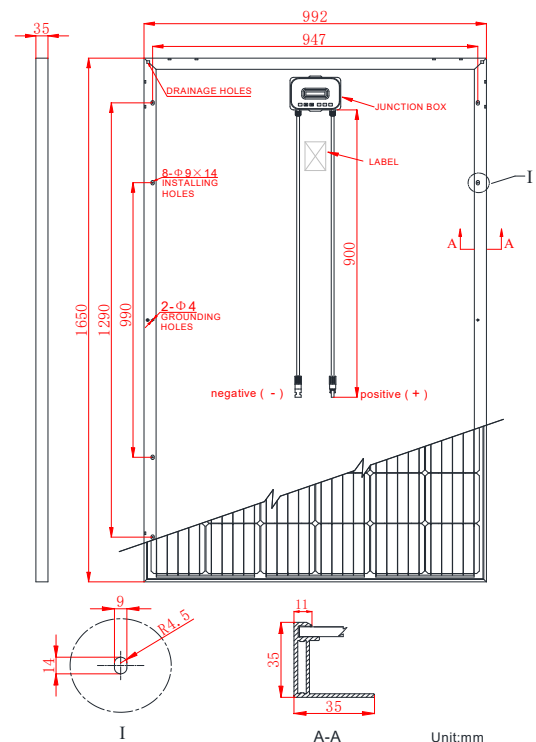
## Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	30	30
Pallets per Container	6	28
Pieces per Container	180	840

## Linear Warranty

No more than 2.5% peak power degradation in 1<sup>st</sup> year;  
 No more than 0.7% peak power degradation in coming 24 years;  
 Free from defects of materials and workmanship for 12 years.

## Technical drawing



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