

## PERC Half-Cell Module-M6-120

Electrical characteristics at Standard Test Conditions (STC)					
Model	SA355-120M	SA360-120M	SA365-120M	SA370-120M	SA375-120M
Max Power - Pmpp (W)	355	360	365	370	375
Positive power tolerance (W)	0-5	0-5	0-5	0-5	0-5
Open Circuit Voltage - Voc (V)	40.51	40.87	41.13	41.44	41.92
Short Circuit Current - Isc (A)	11.15	11.21	11.29	11.35	11.51
Max Power Voltage-Vmpp (V)	33.24	33.49	33.73	33.98	34.38
Max Power Current - Imp (A)	10.68	10.75	10.81	10.89	10.91
Module Efficiency(%)	19.49	19.76	20.04	20.31	20.59

Electrical data relates to standard test conditions (STC): irradiance 1000 W/m<sup>2</sup>; AM 1.5; cell temperature 25°C measuring uncertainty of power is within 0-5W. Certified in accordance with IEC61215:2016, IEC61730-1/2:2016

Electrical characteristics at Nominal Operating Cell Temperature (NOCT)					
Model	SA355-120M	SA360-120M	SA365-120M	SA370-120M	SA375-120M
Max Power - Pmpp (W)	264	268	272	276	280
Open Circuit Voltage - Voc (V)	37.42	37.74	37.99	38.31	38.93
Short Circuit Current - Isc (A)	8.97	9.02	9.08	9.13	9.25
Max Power Voltage-Vmpp (V)	30.99	31.22	31.45	31.68	31.91
Max Power Current - Imp (A)	8.54	8.60	8.65	8.71	8.78

Nominal Operating Cell Temperature (NOCT): Irradiance 800W/m<sup>2</sup>, environment temperature 20, wind speed 1m/s

Temperature Characteristics		Maximum Ratings	
Voltage Temperature Coefficient	-0.26%/K	Maximum system voltage (V)	1500 V DC
Current Temperature Coefficient	+0.044%/K	Maximum series fuse rating (A)	20A
Power Temperature Coefficient	-0.34%/K		

Mechanical Characteristics	
Dimensions	1755*1038*35( Length*Width*Depth )
Weight	19.2kg ±3%
Frame	Anodized aluminum profile ( Silvery/Black )
Front glass	White toughened safety glass,anti-reflective coating 3.2mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back sheet ( Black / White )	Fluorine containing composite film
Cells	6*20 pieces Mono solar cells series strings(M6)
Junction Box	IP ≥ 68,3diodes
Cable	Length 300mm, Diameter 4mm <sup>2</sup>
Connector	MC4

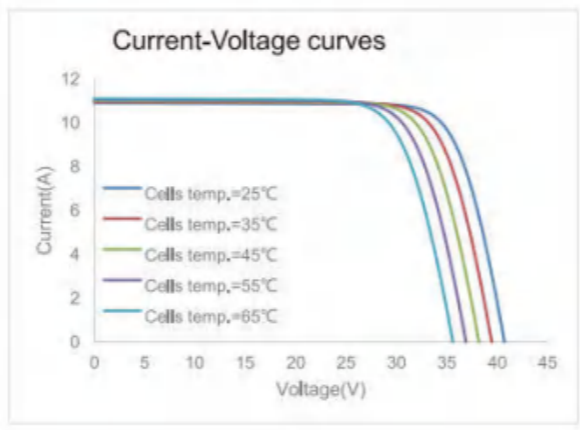
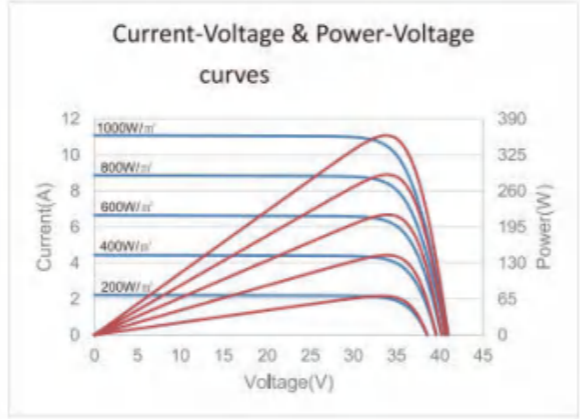
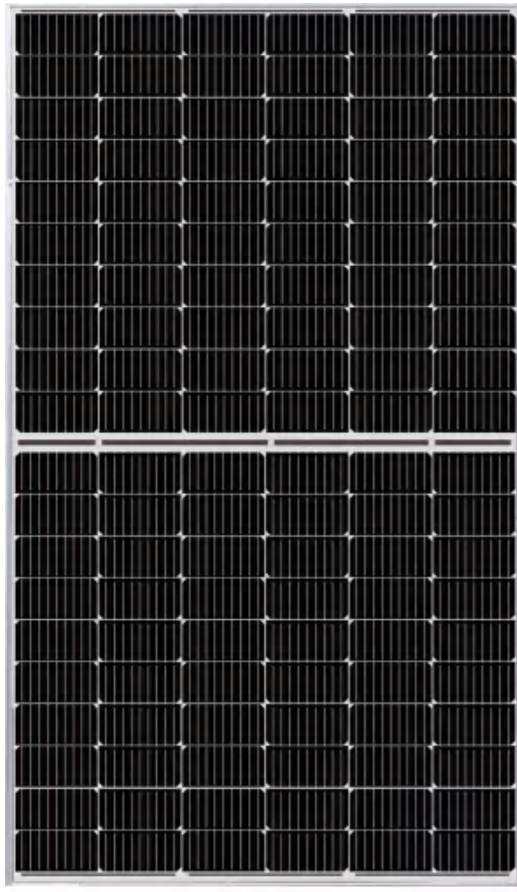
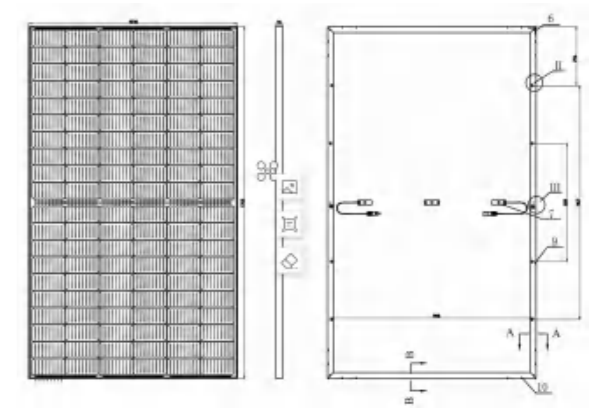
**Note :** We accept customized solar modules , such as frame , backsheet colors , length of cables

Packaging		Parameters	
Container 40HQ	884PCS	temp. Range	-40°C to 85°C
		Application Class	Class A
		Pollution Degree	1
		Protection Class	Class II
		Fire Rating	Class C

### Dimensions

Note: Module layout below only valid for modules with 35mm thickness. All dimensions in mm and tolerance ±2mm

- Cell efficiency > 23.0%
- EL Double Inspection
- 12 years Material&workmanship warranty
- 25 years Linear power output warranty
- diameter 25mm with 23m/s (standard ) diameter 55mm with 33.9m/s (optional)
- front side 5400Pa (standard) front side 8000Pa & 12000Pa (optional)



IEC61215-1:2016 IEC61215-1-1:2016 IEC61215-2:2016 IEC61730-1:2016 IEC61730-2:2016 EN61215-1:2016  
 EN61215-2:2017 EN61215-1-1:2016 EN IEC61730-1:2018 EN IEC61730-2:2018 IEC61853-1:2011 IEC61701:2011  
 EN61000-6-1:2007 EN61000-6-3:2007+A1:2011+AC:2012 IEC61000-6-1:2016 IEC61000-6-3:2011 EN50380:2003  
 IEC TS62804-1:2015 IEC62716:2013 KS C 8561:2016 IEC60068-2-68 LCS ISO9001:2015 ISO14001:2015 ISO45001:2018

