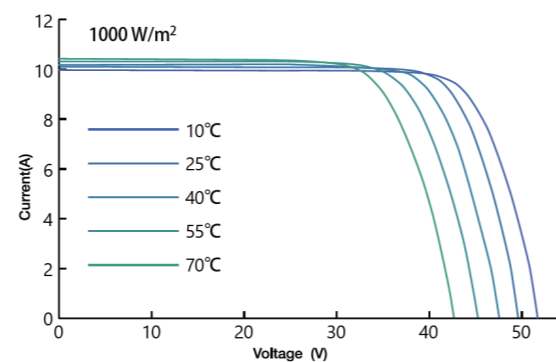
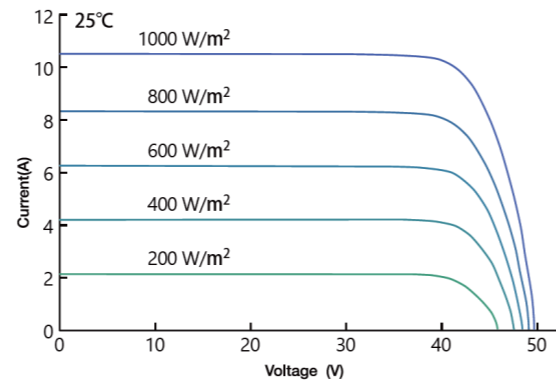
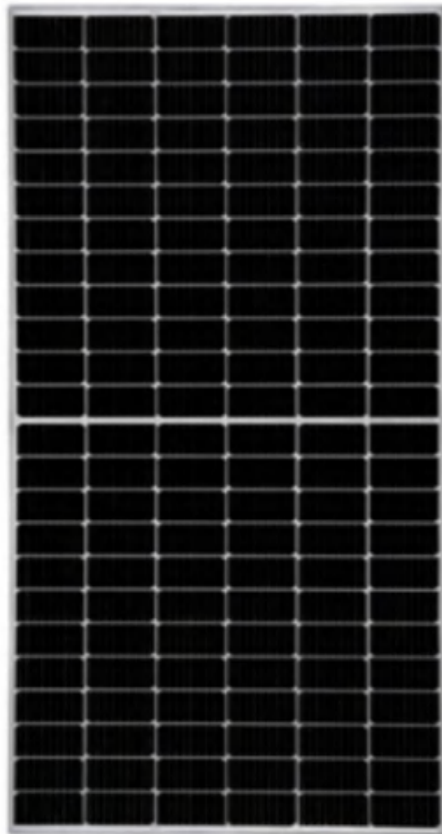


## Bifacial module- transparent backsheet -M10-144



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



### Electrical characteristics at Standard Test Conditions (STC)

Model	SAT530-144M	SAT535-144M	SAT540-144M	SAT545-144M
Max Power - Pmpp (W)	530	535	540	545
Positive power tolerance (W)	0-5	0-5	0-5	0-5
Open Circuit Voltage - Voc (V)	49.30	49.45	49.60	49.75
Short Circuit Current - Isc (A)	13.72	13.79	13.86	13.93
Max Power Voltage-Vmpp (V)	41.31	41.47	41.64	41.80
Max Power Current - Imp (A)	12.83	12.90	12.97	13.04
Module Efficiency(%)	20.6	20.8	20.9	21.1

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 with different rear side power gain

Model	SAT530-144M	SAT535-144M	SAT540-144M	SAT545-144M
5% Maximum Power(Pmax)	557	562	567	572
5% Module Efficiency STC(%)	21.6	21.8	22.0	22.2
15% Maximum Power(Pmax)	610	615	621	623
15% Module Efficiency STC(%)	23.6	23.9	24.1	24.3
25% Maximum Power(Pmax)	663	669	675	681
25% Module Efficiency STC(%)	25.7	25.9	26.2	26.4
Refer.Bifacial Factor(%)	70±5	70±5	70±5	70±5

### Temperature Characteristics

Voltage Temperature Coefficient	-0.29%/K
Current Temperature Coefficient	+0.048%/K
Power Temperature Coefficient	-0.36%/K

### Maximum Ratings

Maximum system voltage (V)	1500 V DC
Maximum series fuse rating (A)	20A

### Mechanical Characteristics

Dimensions	2274*1134*35mm( Length*Width*Depth )
Weight	27kg ±3%
Frame	Anodized aluminum profile ( Silvery/Black )
Front glass	White toughened safety glass,anti-reflective coating 3.2mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Backsheet	Transparent backsheet
Cells	6*24 pieces Mono solar cells series strings(M10)
Junction Box	IP ≥ 68,3diodes
Cable	Length 350mm, Diameter 4mm <sup>2</sup>
Connector	MC4

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

### Packaging







Container 40HQ	620PCS
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### Parameters

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)

