

 **High efficiency and low attenuation**

PERC technology produces less than 2% attenuation in the first year

 **Good anti-PID ability**

Using anti-PID battery technology and component packaging technology, suitable for areas of high humidity and temperature.

 **Good durability**

Using third-party tests, the single crystal module is confirmed to be corrosion-resistant against corrosive gases like salt spray and ammonia.

 **Easy installing**

Various bracket installation methods can be used with conventional frame designs.

 **Good at wind and snow resistance**

Wind loads of 2400PA and snow loads of 5400PA are certified for the entire assembly.

 **Positive power tolerance**

Assurance of output power in the range of 0 to +5W

 **Good at low light power generation**

Under low light conditions such as early morning, evening, and cloudy skies, this device produces excellent power output.

 **Seamless lamination technology**

The battery sheet and glass layer are seamlessly attached, and bubbles are absent.

 **True five bar line**

With a high conversion rate of 21%, this special wide wafer has a small grid line spacing.

REGULAR PV MODULE

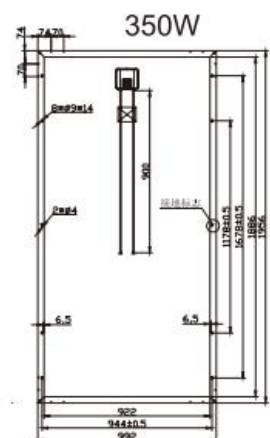
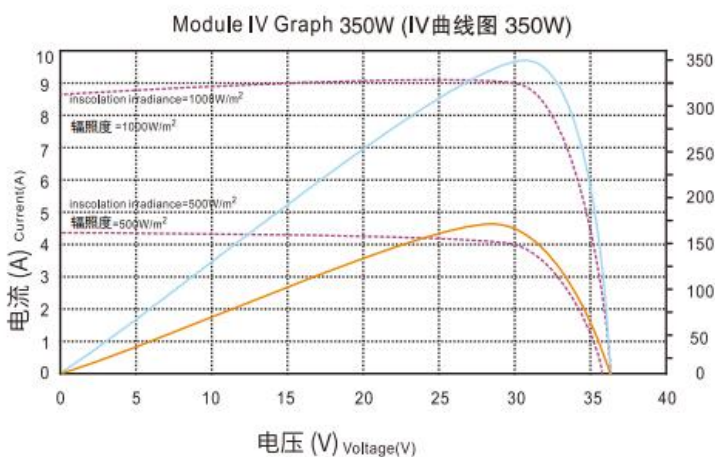


Specifications (M: monocrystal, P: polycrystal)

Module	FS-M-380W~320W						
Pmax	380W	370W	360W	350W	340W	330W	320W
Size and number of cells	156*156mm 72Pcs/6*12						
Tolerance	±3%						
Vmp(V)	41.688	41.472	40.968	40.680	39.096	39.024	38.763
Imp(A)	9.37	9.29	9.10	8.99	8.93	8.91	8.86
Voc(V)	49.10	48.89	48.38	48.10	46.01	45.94	45.79
Isc(A)	9.71	9.66	9.53	9.46	9.42	9.41	9.37

Module	FS-M-300W~260W		
Pmax	300W	280W	260W
Size and number of cells	156*156mm 72Pcs/6*12		
Tolerance	±3%		
Vmp(V)	38.16	37.44	36.648
Imp(A)	8.65	8.57	8.48
Voc(V)	46.87	46.66	46.15
Isc(A)	9.27	9.2	9.17

Max.Syst.Oper. Voltage	1000V
Dioders	3 by-pass / 6 by-pass
Dimension	1956*992*40mm
Weight	22.5kgs
Operate Temp.	-40 ~ +85°C
Relative humidity	0 to 100%
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years
STC	Irradiance 1000W/m ² , module temperature 25°C, AM=1.5

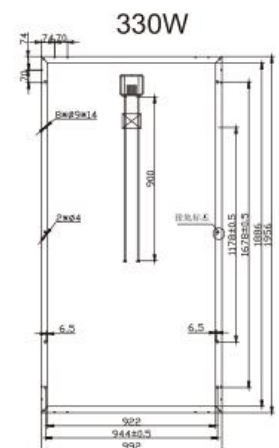
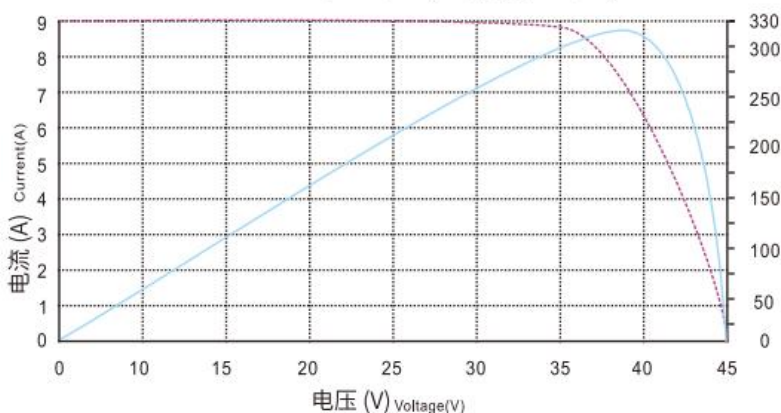


Specifications (M: monocrystal, P: polycrystal)

Module	FS-M-320W				
Pmax	320W				
Size and number of cells	158*158mm 60Pcs/6*10				
Tolerance	±3%				
Vmp	34.74V				
Imp	9.37A				
Voc	40.92V				
Isc	9.71A				
Dimension	1650*992*35mm				
Weight	20kgs				
Module	FS-M-315W~290W				
Pmax	315W	310W	300W	295W	290W
Size and number of cells	156*156mm 60Pcs/6*10				
Tolerance	±3%				
Vmp	34.68V	34.56V	34.08V	33.42V	33.3V
Imp	9.34A	9.26A	9.08A	9.12A	9.07A
Voc	40.86V	40.74V	40.26V	39.48V	39.36V
Isc	9.69A	9.66A	9.51A	9.60A	9.56A
Dimension	1640*992*35mm				
Weight	17.5kg				
Max.Syst.Oper.Voltage	1000V				
Diodes	3 by-pass				
Operate Temp.	-40 ~ +85°C				
Relative humidity	0 to 100%				
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed				
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years				
STC	Irradiance 1000W/m ² , module temperature 25°C, AM=1.5				

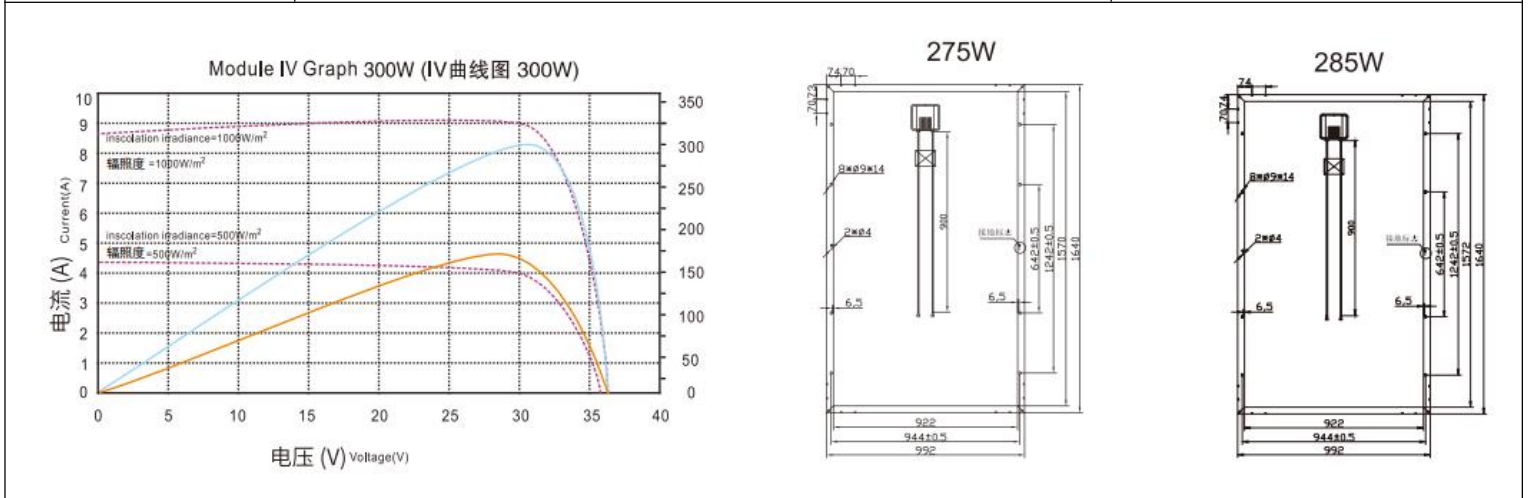


Module IV Graph 315W (IV曲线图 315W)



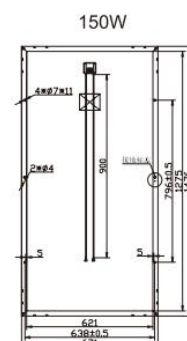
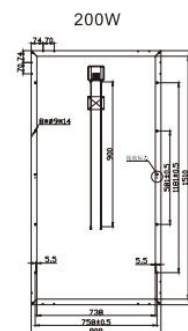
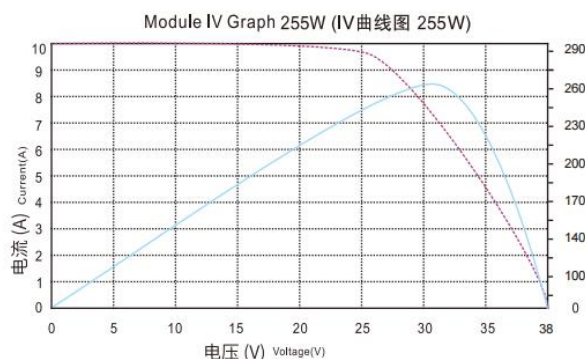
Specifications (M: monocrystal, P: polycrystal)

Module	FS-M-285W~250W					
Pmax	285W	280W	275W	270W	260W	250W
Size and number of cells	156*156mm 60pcs/6*10					
Tolerance	±3%					
Vmp(V)	33.00	32.58	32.52	32.40	32.22	31.998
Imp(A)	8.99	8.93	8.91	8.88	8.84	8.43
Voc(V)	39.12	38.34	38.28	38.22	38.10	37.78
Isc(A)	9.49	9.42	9.41	9.38	9.35	8.93
Max.Syst.Oper.Voltage	1000V					
Dioders	3 by-pass					
Dimension	1640*992*35mm					
Weight	17.5kgs					
Operate Temp.	-40 ~ +85°C					
Relative humidity	0 to 100%					
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed					
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years					
STC	Irradiance 1000W/m ² , module temperature 25°C, AM=1.5					



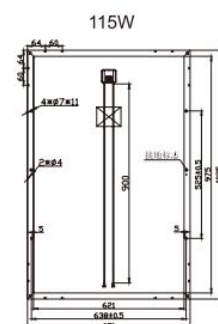
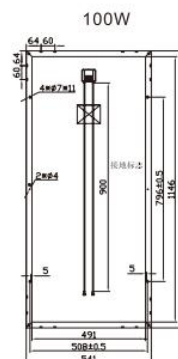
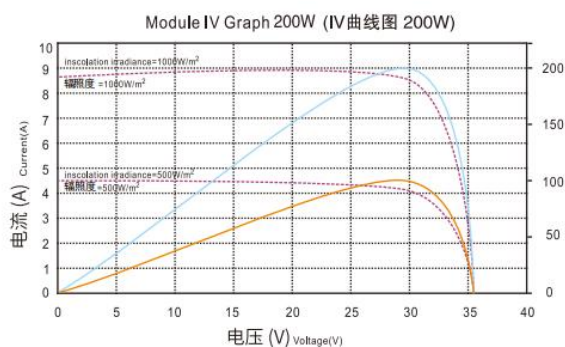
Specifications (M: monocrystal, P: polycrystal)

Module	FS-M-200W~170W			
Pmax	200W	190W	180W	170W
Size and number of cells	125*125mm 72pcs/6*12			
Tolerance	±3%			
Vmp	38.16V	38.02V	38.16V	38.16V
Imp	5.51A	5.28A	5.11A	4.96A
Voc	46.08V	45.50V	46.08V	46.08V
Isc	5.89A	5.67A	5.41A	5.26A
Max.Syst.Oper.Voltage	1000V			
Dioders	3 by-pass			
Dimension	1580*808*35mm			
Weight	13.2kgS			
Module	FS-M-170W~150W			
Pmax	170W	160W	155W	150W
Size and number of cells	156*156mm 36pcs/4*9			
Tolerance	±3%			
Vmp	19.98V	19.368V	19.008V	18.702V
Imp	9.07A	8.86A	8.71A	8.56A
Voc	23.62V	22.90V	22.68V	22.50V
Isc	9.56A	9.37A	9.22A	9.09A
Max.Syst.Oper.Voltage	1000V			
Dioders	2 by-pass			
Dimension	1476*671*30mm			
Weight	9.9kgS			
Operate Temp.	-40 ~ +85 °C			
Relative humidity	0 to 100%			
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed			
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			
STC	Irradiance 1000W/m ² , module temperature 25 °C, AM=1.5			



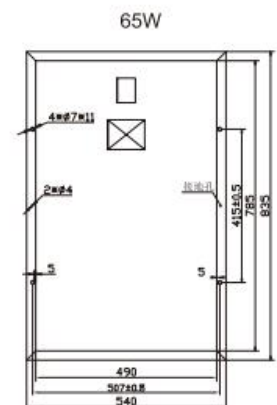
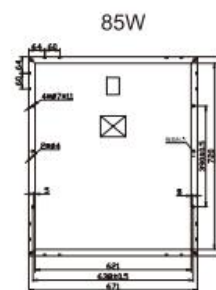
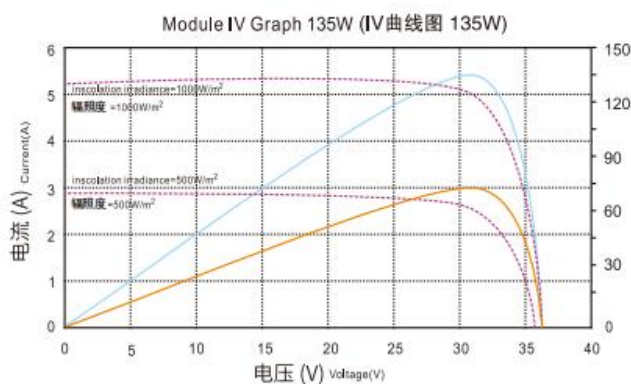
Specifications (M: monocrystal, P: polycrystal)

Module	FS-M-100W~85W			
Pmax	100W	95W	90W	885W
Size and number of cells	125*125mm 36pcs/4*9			
Tolerance	±3%			
Vmp	19.08V	18.9V	18.756V	18.18V
Imp	5.51A	5.14A	5.08A	4.96A
Voc	23.04V	22.68V	22.57V	22.14V
Isc	5.89A	5.44A	5.38A	5.26A
Max.Syst.Oper.Voltage	1000V			
Dioders	2 by-pass			
Dimension	1196*541*30mm			
Weight	7kgs			
Module	FS-M-115W~100W			
Pmax	115W	110W	105W	100W
Size and number of cells	156*104mm 36pcs/4*9			
Tolerance	±5%			
Vmp	20.232V	19.800V	19.332V	18.900V
Imp	6.09A	5.99A	5.89A	5.74A
Voc	24.01V	23.47V	22.86V	22.50V
Isc	6.45A	6.33A	6.23A	6.08A
Max.Syst.Oper.Voltage	1000V			
Dioders	2 by-pass			
Dimension	1025*671*30mm			
Weight	7kgs			
Operate Temp.	-40 ~ +85°C			
Relative humidity	0 to 100%			
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed			
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			
STC	Irradiance 1000W/m ² , module temperature 25°C, AM=1.5			



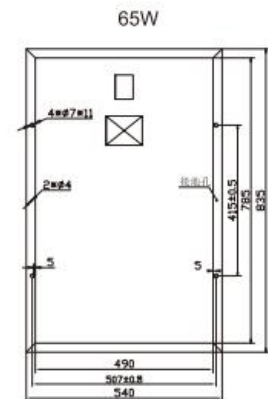
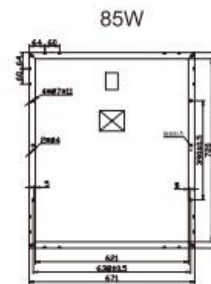
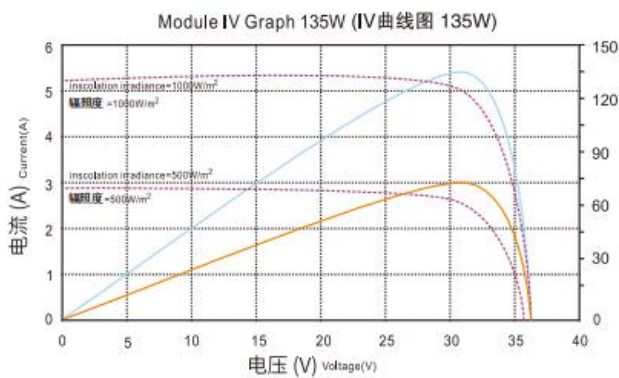
Specifications (M: monocrystal, P: polycrystal)

Module	FS-M-85W~70W			
Pmax	85W	80W	75W	70W
Size and number of cells	156*78mm 36pcs/4*9			
Tolerance	±3%			
Vmp	20.052V	19.368V	18.72V	18.432V
Imp	4.56A	4.43A	4.28A	4.13A
Voc	23.69V	22.90V	22.50V	22.25V
Isc	4.80A	4.68A	4.53A	4.38A
Max.Syst.Oper.Voltage	1000V			
Dioders	2 by-pass			
Dimension	770*671*25mm			
Weight	5kgs			
Module	FS-M-65W~55W			
Pmax	65W	60W	55W	
Size and number of cells	125*41.66mm 72pcs/4*18			
Tolerance	±3%			
Vmp	18.9V	18.828V	18.36V	
Imp	3.40A	3.41A	3.30A	
Voc	22.68V	22.61V	22.14V	
Isc	3.63A	3.61A	3.52A	
Max.Syst.Oper.Voltage	1000V			
Dioders	1 by-pass			
Dimension	835*540*25mm			
Weight	4.5kgs			
Operate Temp.	-40 ~ +85 °C			
Relative humidity	0 to 100%			
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed			
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			
STC	Irradiance 1000W/m ² , module temperature 25 °C, AM=1.5			



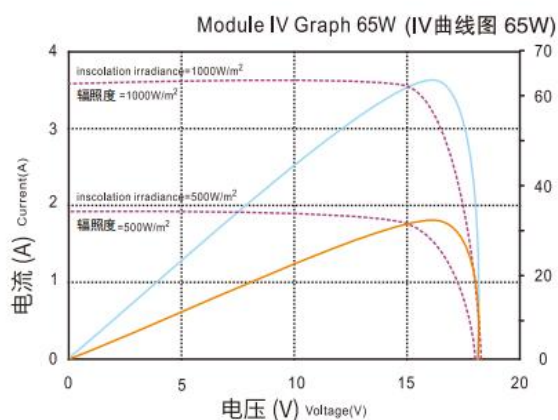
Specifications (M: monocrystal, P: polycrystal)

Module	FS-M-50W~45W	
Pmax	50W	45W
Size and number of cells	125*62.5mm 36pcs/4*9	
Tolerance	±3%	
Vmp	19.08V	18.72V
Imp	2.65A	2.56A
Voc	23.04V	22.68V
Isc	2.95A	2.83A
Max.Syst.Oper.Voltage	1000V	
Dioders	0 by-pass	
Dimension	630*540*18mm	
Weight	3.3kgs	
Operate Temp.	-40 ~ +85°C	
Relative humidity	0 to 100%	
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed	
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years	
STC	Irradiance 1000W/m ² , module temperature 25°C, AM=1.5	

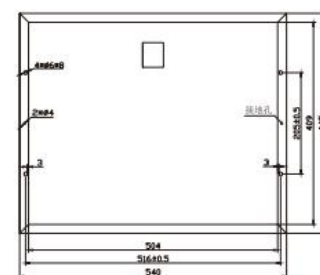


Specifications (M: monocrystal, P: polycrystal)

Module	FS-M-45W~38W		
Pmax	45W	40W	38W
Size and number of cells	156*39mm 36pcs/3*12		
Tolerance	±3%		
Vmp	20.664V	19.368V	18.08V
Imp	2.30A	2.21A	2.09A
Voc	24.34V	22.90V	22.61V
Isc	2.40A	2.34A	2.22A
Max.Syst.Oper.Voltage	1000V		
Dioders	0 by-pass		
Dimension	540*510*18mm		
Weight	2.7kgs		
Module	FS-M-38W~34W		
Pmax	38W	36W	34W
Size and number of cells	156*39mm 36pcs/3*12		
Tolerance	±3%		
Vmp	19.3356V	18.9V	18.72V
Imp	2.10A	2.05A	1.95A
Voc	22.76V	22.52V	22.46V
Isc	2.23A	2.21A	2.09A
Max.Syst.Oper.Voltage	1000V		
Dioders	0 by-pass		
Dimension	540*510*18mm		
Weight	2.7kg		
Operate Temp.	-40 ~ +85°C		
Relative humidity	0 to 100%		
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed		
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years		
STC	Irradiance 1000W/m ² , module temperature 25°C, AM=1.5		

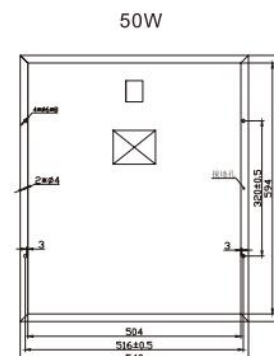
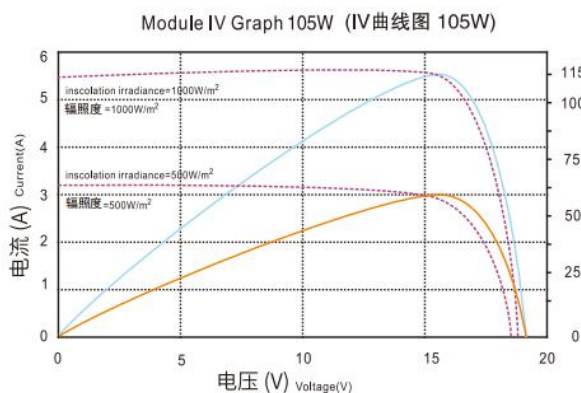
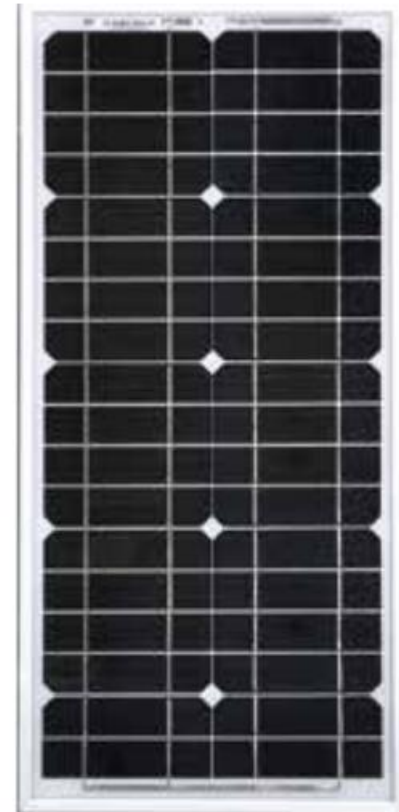


33W



Specifications (M: monocrystal, P: polycrystal)

Module	FS-M-33W~28W		
Pmax	33W	30W	28W
Size and number of cells	125*41.7mm 36pcs/4*9		
Tolerance	±3%		
Vmp	19.08V	18.756V	18.18V
Imp	1.83A	1.69A	1.65A
Voc	22.68V	22.57V	22.14V
Isc	1.96A	1.79A	1.75A
Max.Syst.Oper.Voltage	800V		
Dioders	0 by-pass		
Dimension	445*540*18mm		
Weight	2.3kgs		
Module	FS-M-24W~22W		
Pmax	24W	22W	
Size and number of cells	125*31.25mm 36pcs/2*18		
Tolerance	±3%		
Vmp	19.08V	18.756V	
Imp	1.36A	1.26A	
Voc	22.68V	22.57V	
Isc	1.46A	1.41A	
Max.Syst.Oper.Voltage	800V		
Dioders	0 by-pass		
Dimension	645*285*18mm		
Weight	1.9kgs		
Operate Temp.	-40 ~ +85°C		
Relative humidity	0 to 100%		
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed		
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years		
STC	Irradiance 1000W/m ² , module temperature 25°C, AM=1.5		

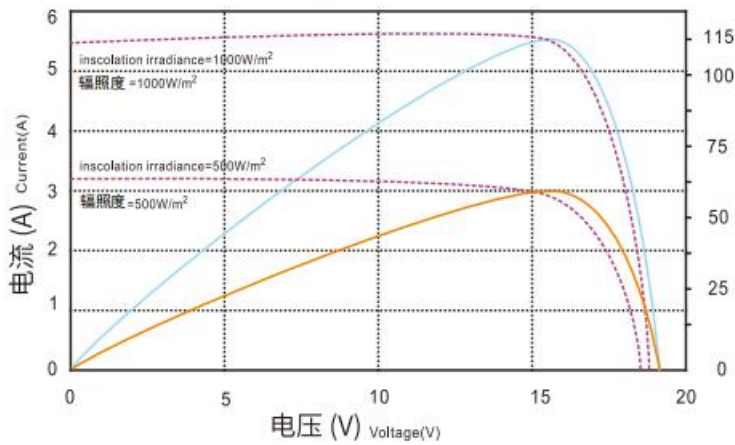


Specifications (M: monocrystal, P: polycrystal)

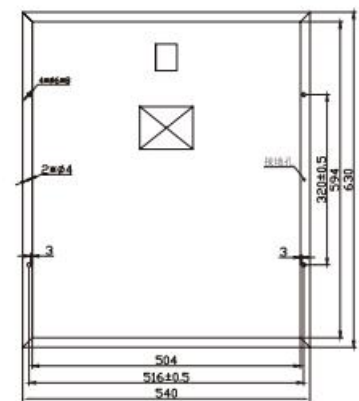
Module	FS-M-16W~13W			
Pmax	16W	15W	14W	13W
Size and number of cells	125*20.83mm 36pcs/2*18			
Tolerance	±3%			
Vmp	19.08V	18.828V	18.36V	18.18V
Imp	0.90A	0.85A	0.82A	0.80A
Voc	22.68V	22.61V	22.14V	21.96V
Isc	0.97A	0.90A	0.88A	0.86A
Max.Syst.Oper.Voltage	800V			
Diodes	0 by-pass			
Dimension	450*290*18mm			
Weight	1.5kgs			
Operate Temp.	-40 ~ +85°C			
Relative humidity	0 to 100%			
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed			
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			
STC	Irradiance 1000W/m ² , module temperature 25°C, AM=1.5			



Module IV Graph 105W (IV曲线图 105W)

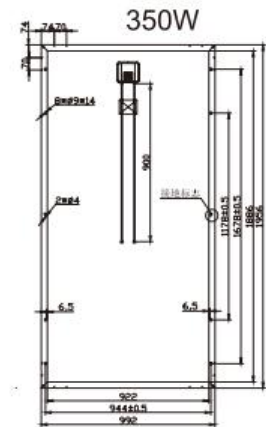
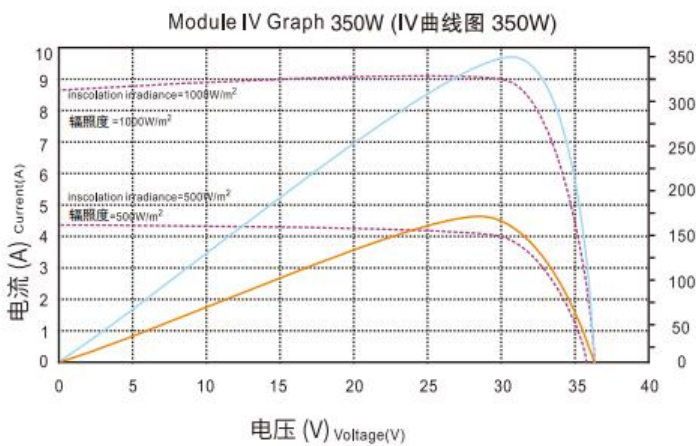


50W



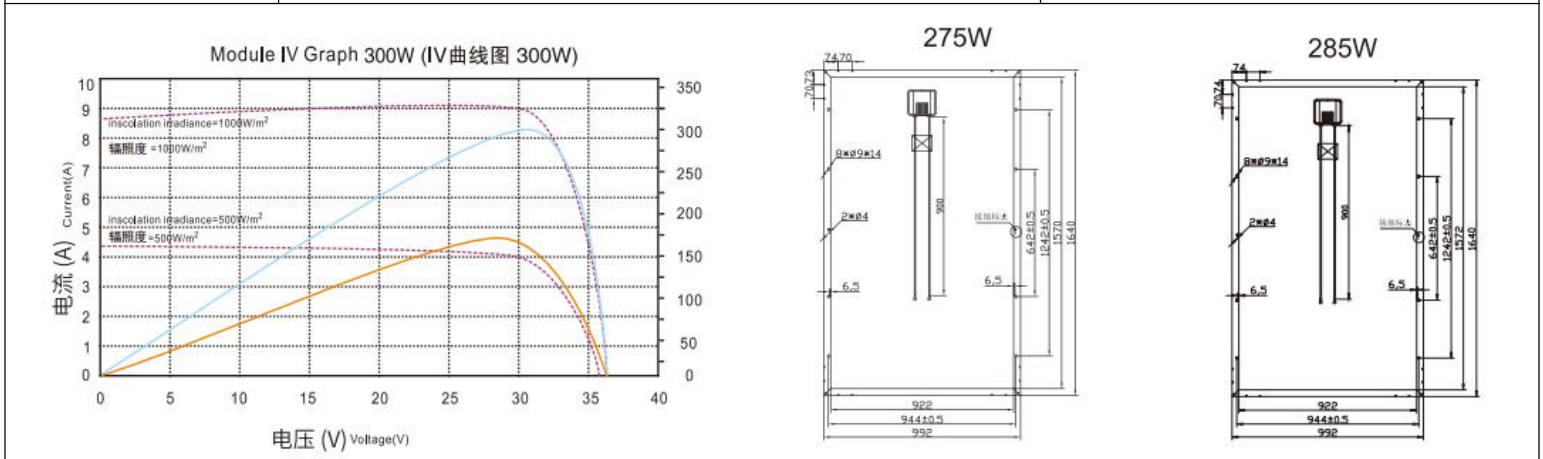
Specifications (M: monocrystal, P: polycrystal)

Module	FS-P-330W~290W				
Pmax	330W	315W	310W	300W	290W
Size and number of cells	156*156mm 72pcs/6*12				
Tolerance	±3%				
Vmp	39.3V	39.19V	38.84V	38.40V	38.02V
Imp	8.55A	8.49A	8.42A	8.43A	8.19A
Voc	46.13V	45.99V	45.66V	45.33V	45.27V
Isc	9.03A	8.98A	8.91A	8.93A	8.78A
Max.Syst.Oper. Voltage	1000V				
Dioders	3 by-pass / 6 by-pass				
Dimension	1956*992*40mm				
Weight	22.5kgs				
Operate Temp.	-40 ~ +85℃				
Relative humidity	0 to 100%				
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed				
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years				
STC	Irradiance 1000W/m ² , module temperature 25℃, AM=1.5				



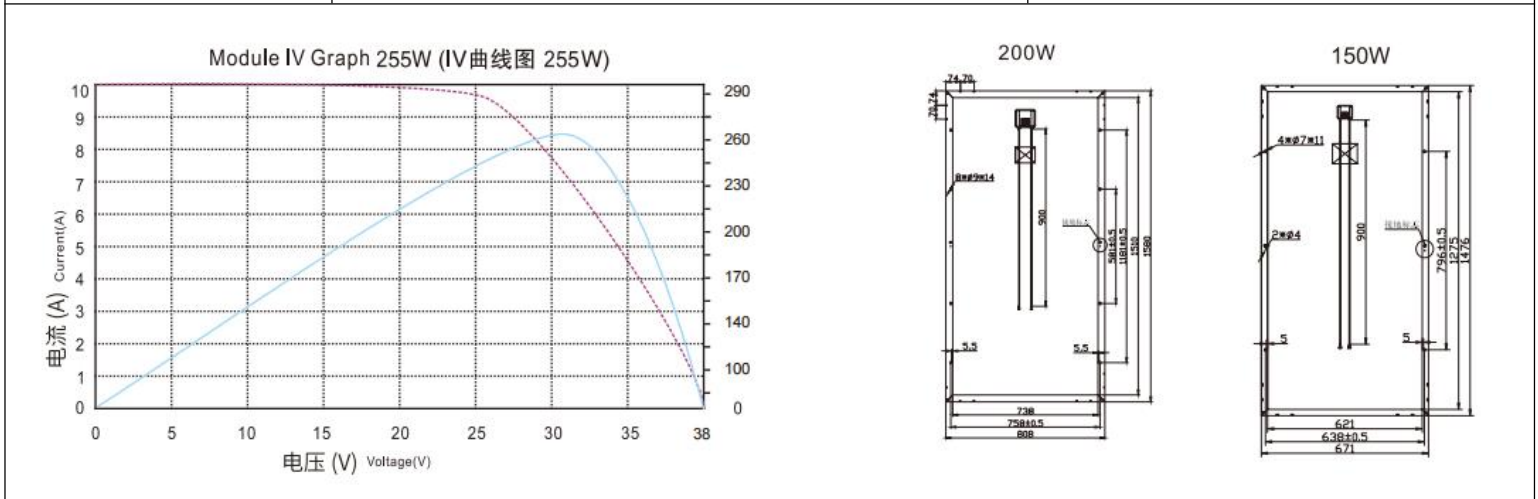
Specifications (M: monocrystal, P: polycrystal)

Module	FS-P-275W~245W						
Pmax	275W	270W	265W	260W	255W	250W	245W
Size and number of cells	156*156mm 60pcs/6*10						
Tolerance	±3%						
Vmp(V)	32.75	32.70	32.66	32.53	32.23	31.86	31.68
Imp(A)	8.55	8.52	8.49	8.47	8.42	8.19	8.07
Voc(V)	38.44	38.39	38.32	38.22	37.93	37.80	37.68
Isc(A)	9.03	9.01	8.98	8.96	8.91	8.68	8.56
Max.Syst.Oper. Voltage	1000V						
Diodes	3 by-pass						
Dimension	1640*992*35mm						
Weight	17.5kgs						
Operate Temp.	-40 ~ +85°C						
Relative humidity	0 to 100%						
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed						
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years						
STC	Irradiance 1000W/m ² , module temperature 25°C, AM=1.5						



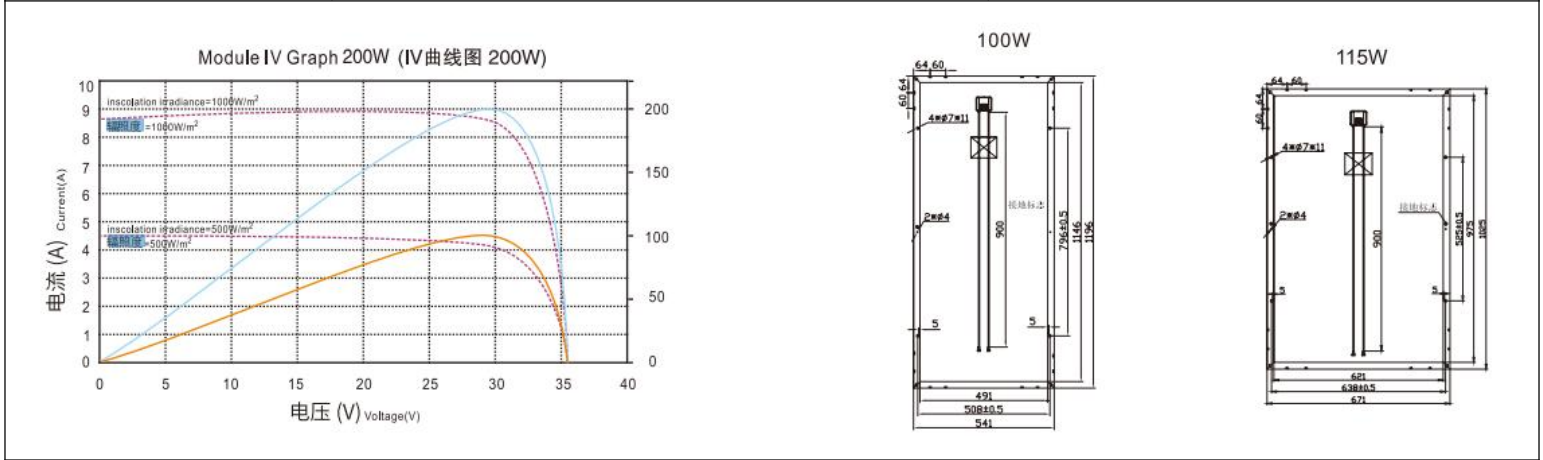
Specifications (M: monocrystal, P: polycrystal)

Module	FS-P-160W~140W			
Pmax	160W	155W	150W	140W
Size and number of cells	156*156mm 36pcs/4*9			
Tolerance	±3%			
Vmp	19.6488V	19.5192V	19.1988V	19.152V
Imp	8.55A	8.47A	8.43A	7.80A
Voc	23.07V	22.93V	22.67V	22.61V
Isc	9.03A	8.96A	8.93A	8.38A
Max.Syst.Oper.Voltage	1000V			
Dioders	2 by-pass			
Dimension	1476*671*30mm			
Weight	9.9kgs			
Operate Temp.	-40 ~ +85°C			
Relative humidity	0 to 100%			
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed			
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			
STC	Irradiance 1000W/m ² , module temperature 25°C, AM=1.5			



Specifications (M: monocrystal, P: polycrystal)

Module	FS-P-105W~90W			
Pmax	105W	100W	95W	90W
Size and number of cells	156*104mm 36pcs/4*9			
Tolerance	±5%			
Vmp	19.6488V	19.1988V	19.188V	18.864V
Imp	5.70A	5.62A	5.23A	5.19A
Voc	23.07V	22.67V	22.68V	22.46V
Isc	6.02A	5.95A	5.61A	5.57A
Max.Syst.Oper.Voltage	1000V			
Dioders	2 by-pass			
Dimension	1025*671*30mm			
Weight	7kgs			
Operate Temp.	-40 ~ +85°C			
Relative humidity	0 to 100%			
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed			
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years			
STC	Irradiance 1000W/m ² , module temperature 25°C, AM=1.5			



Specifications (M: monocrystal, P: polycrystal)

Module	FS-P-80W~65W		
Pmax	80W	75W	70W
Size and number of cells	156*78mm 36pcs/4*9		
Tolerance	±3%		
Vmp	19.6488V	19.1988V	19.0800V
Imp	4.28A	4.22A	3.92A
Voc	23.07V	22.67V	22.50V
Isc	4.52A	4.47A	4.21A
Max.Syst.Oper.Voltage	1000V		
Dioders	2 by-pass		
Dimension	770*671*25mm		
Weight	5kgs		
Operate Temp.	-40 ~ +85 °C		
Relative humidity	0 to 100%		
Resistances	227g steel ball falls down from 1m high and 60m/s wind speed		
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years		
STC	Irradiance 1000W/m ² , module temperature 25°C, AM=1.5		

