



20.8%

Module efficiency up to 20.8%

MWT Solar Cell

- New cell structure and different manufacturing process.
- No bus-bar on the front. 3% less shadow and better use of sunlight.
- Effectively avoid the micro crack caused by the pressure between cell edge and ribbon.
- Compatible with other cell types including PERC, HIT, Black Silicon etc.

Insured by PICC and LLOYD'S

PICC **LLOYD'S**

Comprehensive Qualifications & Certifications

- ★ IEC 61215, IEC 61730, IEC 61701, IEC 62716, IEC 60068-2-68.
- ★ CQC&CGC Top Runner Advanced Technology Certification (4A class)
- ★ ISO 9001: 2015 Quality Management System
- ★ ISO 14001: 2015 Environment Management System
- ★ OHSAS 18001: 2007 Occupation Health Safety Management System
- ★ TUV NORD and UK NQA Quality System Certification



Benchmark II SPP310-340MH6

310-340W MWT Module

Mono Half-cut 60 Cells

Benchmark MWT PV Module



Higher Efficiency

The highest efficiency of the series is up to 20.8%.



Higher Yield

Higher power generation on the same installation.



Lower Degradation

At least 98 % of the initial effective output at the 1st year and 80% at the 30th year.



Heat-Resistant

Remain peak performance in hot days thanks to the improved temperature coefficient as low as $-0.36\%/^{\circ}\text{C}$.



Corrosion-Resistant

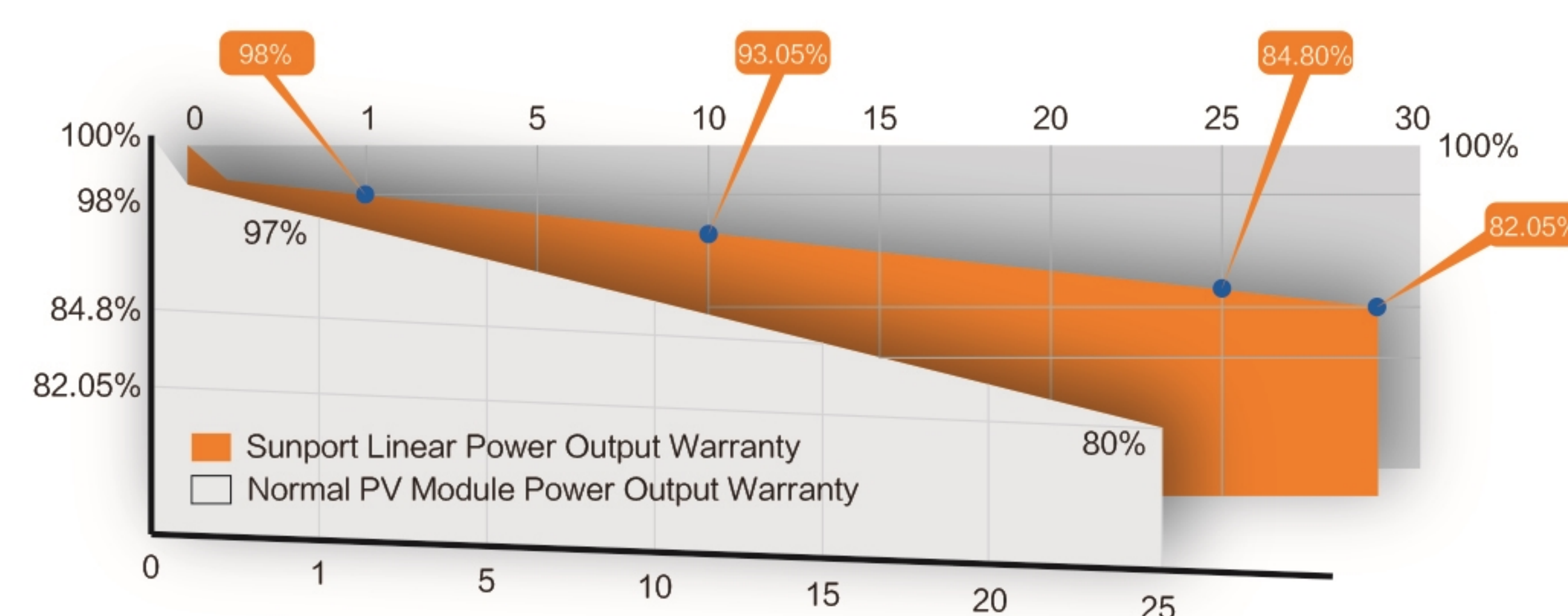
Certified for Ammonia Resistance and Salt Mist Corrosion to maximum severity level 6.



Anti-PID

Certified for Anti-PID under $85^{\circ}\text{C}/85\%\text{RH}$, for 288hrs.

30 Years Performance Warranty



Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP310MH6	SPP315MH6	SPP320MH6	SPP325MH6	SPP330MH6	SPP335MH6	SPP340MH6
Max-Power(Pm)	W	310	315	320	325	330	335	340
Power Tolerance	%	0~+3%						
Max-Power Voltage(Vm)	V	31.8	32.0	32.2	32.4	32.6	32.8	33.0
Max-Power Current(Im)	A	9.76	9.85	9.95	10.04	10.13	10.22	10.31
Open-Circuit Voltage(Voc)	V	39.0	39.2	39.4	39.6	39.8	40.0	40.2
Short-Circuit Current(Isc)	A	10.22	10.30	10.38	10.46	10.54	10.62	10.70
Module Efficiency(ηm)	%	18.9	19.2	19.6	19.9	20.2	20.5	20.8
STC:AM=1.5, Irradiation1000W/m ² , Module Temperature25°C								

Electrical Characteristics at Nominal Operating Cell Temperature (NOCT)

Spec/Model	Unit	SPP310MH6	SPP315MH6	SPP320MH6	SPP325MH6	SPP330MH6	SPP335MH6	SPP340MH6
Max-Power(Pm)	W	232	236	240	244	248	251	255
Max-Power Voltage(Vm)	V	29.1	29.3	29.5	29.7	29.9	30.1	30.3
Max-Power Current(Im)	A	7.98	8.06	8.14	8.22	8.30	8.36	8.43
Open-Circuit Voltage(Voc)	V	35.7	35.8	35.9	36.0	36.1	36.2	36.3
Short-Circuit Current(Isc)	A	8.36	8.45	8.54	8.64	8.73	8.80	8.88
NMOT: Irradiation800W/m ² , ambient temperature20°C, Wind Speed1m/s								

Temperature Coefficient

Nominal Module Operating Temperature	43 ± 2°C
Temperature coefficient of Pmax	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of Isc	0.06%/°C

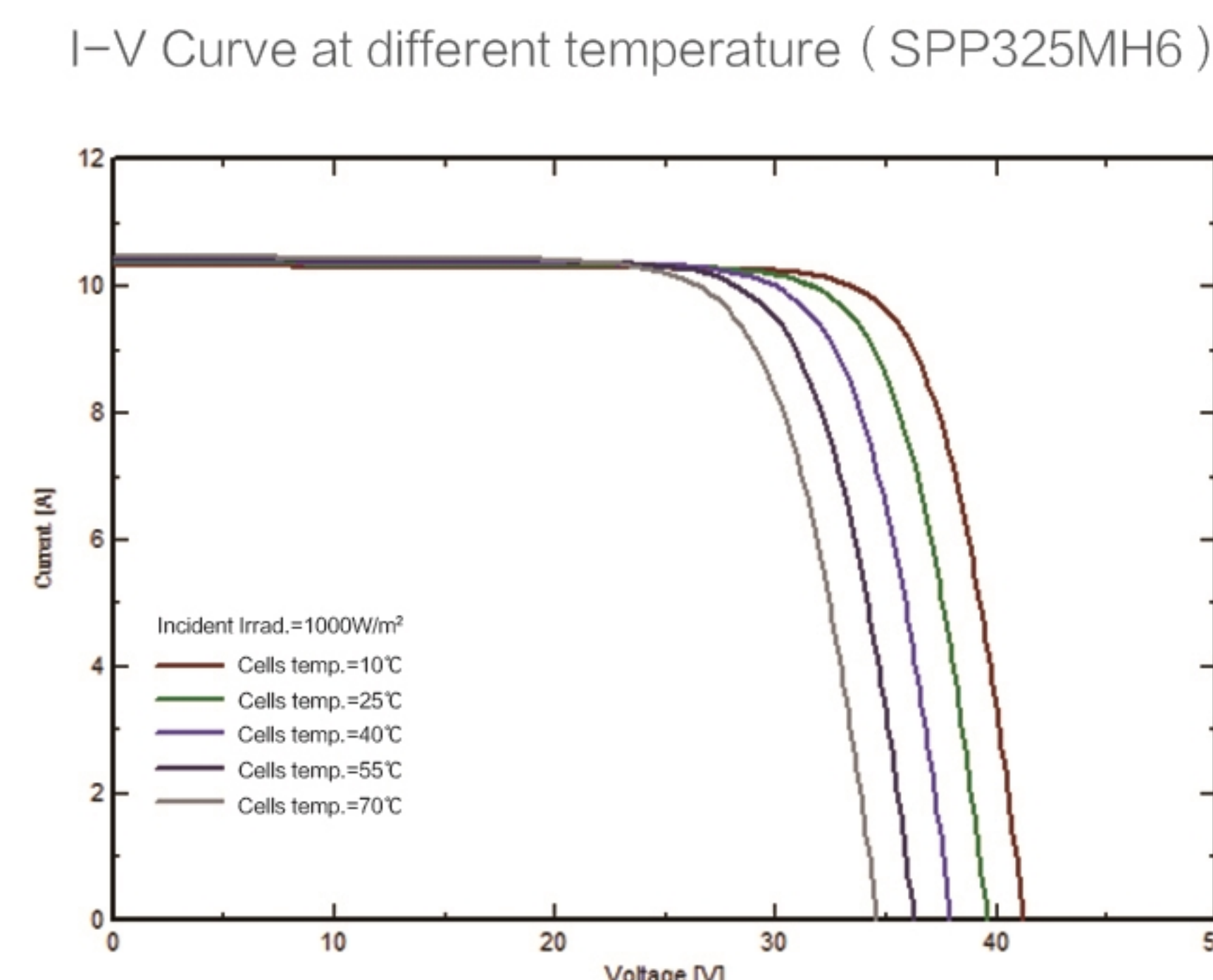
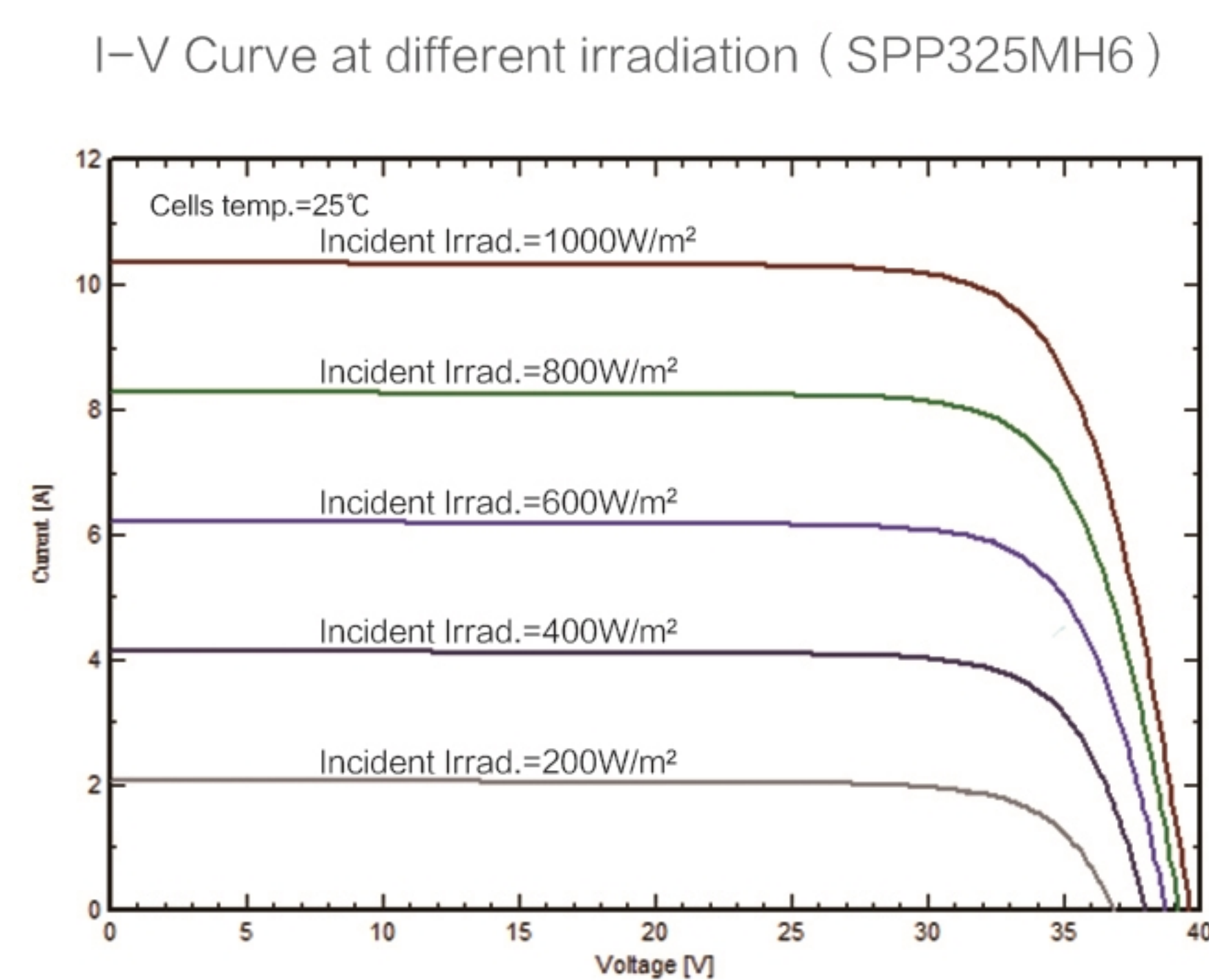
Package

Container Size	Quantity(pcs)	Quantity(pallet)
20' GP	360	12
40' GP	840	28
40' HC	840	28

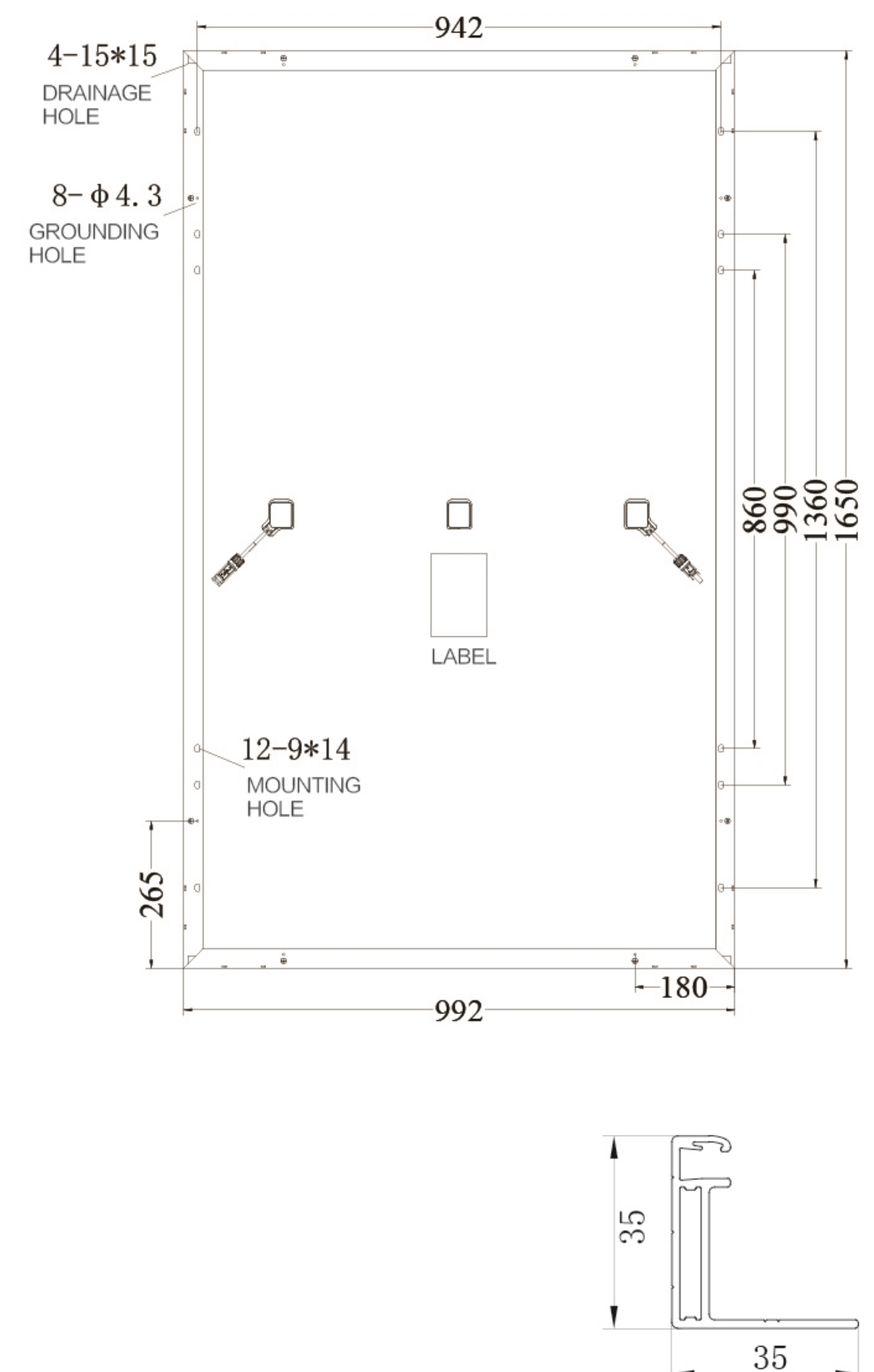
Mechanical Property

Dimension(L × W × H)	1650mmx992mmx35mm
Weight	19.0kg
Glass Type	High Transmittance Anti-reflective Coated Tempered Glass /3.2mm
Solar Cell	120(20x6)/Mono/ 6inches
Encapsulant	EVA
Frame	Anodized aluminum alloy / silver /clear
Junction Box	IP65 & IP67
Cable	1000mm / 4mm ²
Connector	MC4 Compatible

I-V Curve



Module Size



Operating Conditions

Max System Voltage	DC1000V(TUV)
Max Fuse Rated Current	15A
Operating Temperature Range	-40°C ~ +85°C
Mechanical Load	5400Pa/2400Pa
Max Allowable Hail Load	φ 25mm hail, from 1m of distance at 23 m/s
Application Class	Class A

