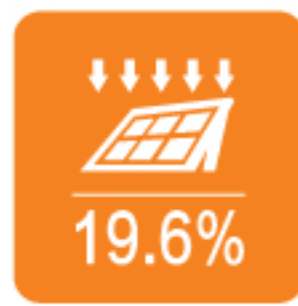




320W MWT Black Module Mono PERC 60 Cells

Features



Higher Efficiency

The highest efficiency of the series is up to 19.6%.



Higher Yield

Higher power generation on the same installation.



Lower Degradation

At least 97.5% 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 $-0.36\%/^{\circ}\text{C}$.



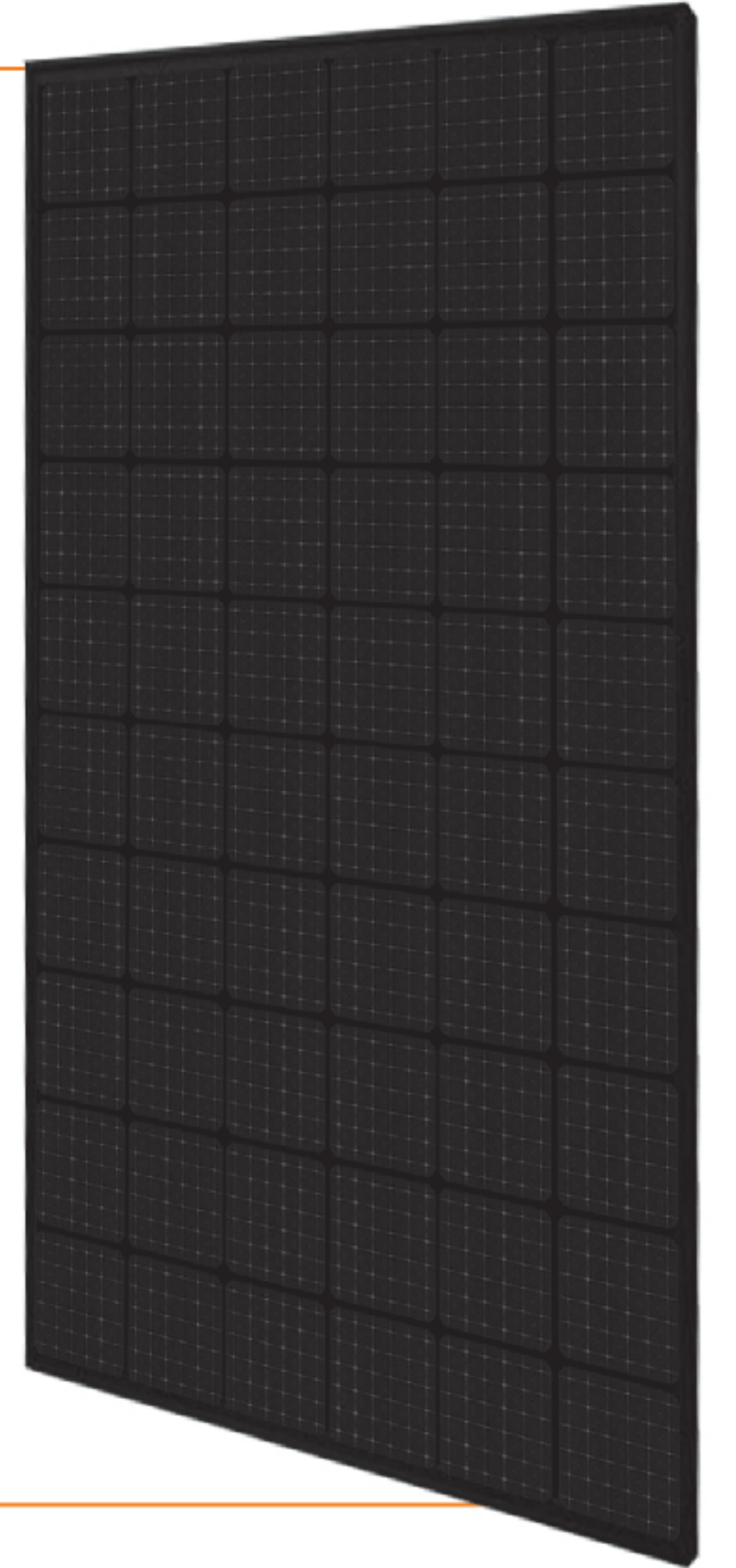
Corrosion-Resistant

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

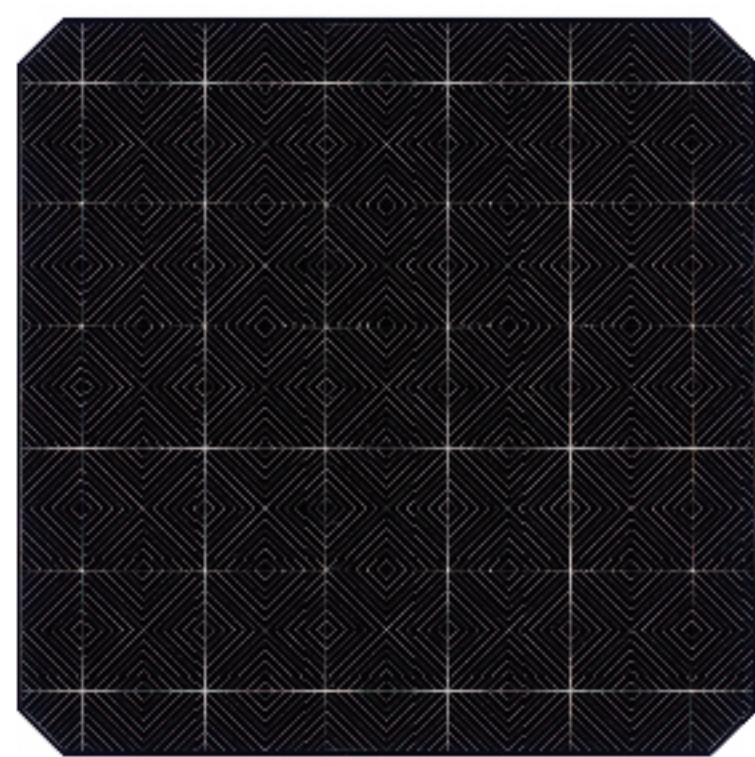


Anti-PID

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



MWT Back Contact 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.

Comprehensive Qualifications & Certifications

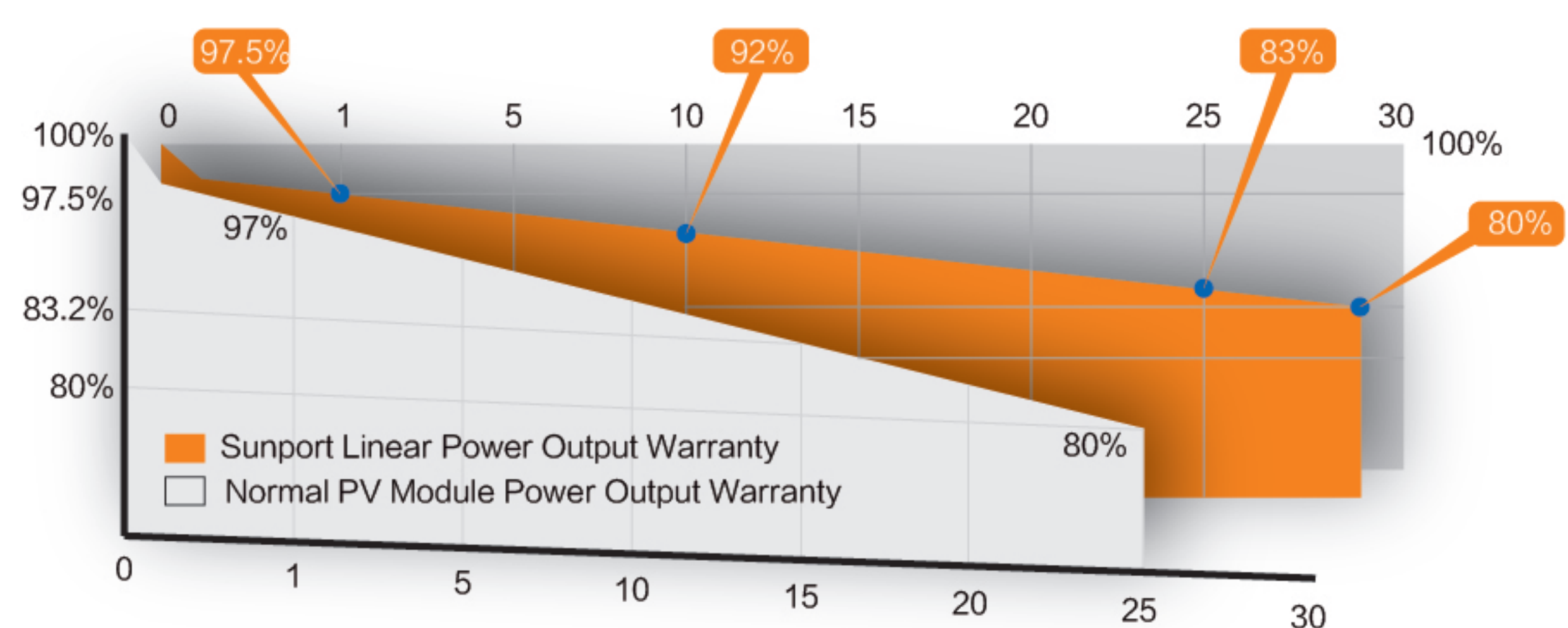
- ★ IEC 61215, IEC 61730, IEC 61701, IEC 62716, IEC 60068-2-68.
- ★ CQC&CGC Top Runner Advanced Technology Certification (4A class)
- ★ ISO 9001: 2015 Quality Management System
- ★ ISO 14001: 2015 Environment Management System
- ★ OHSAS 18001: 2007 Occupation Health Safety Management System
- ★ TUV NORD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



Insured by PICC and LLOYD'S



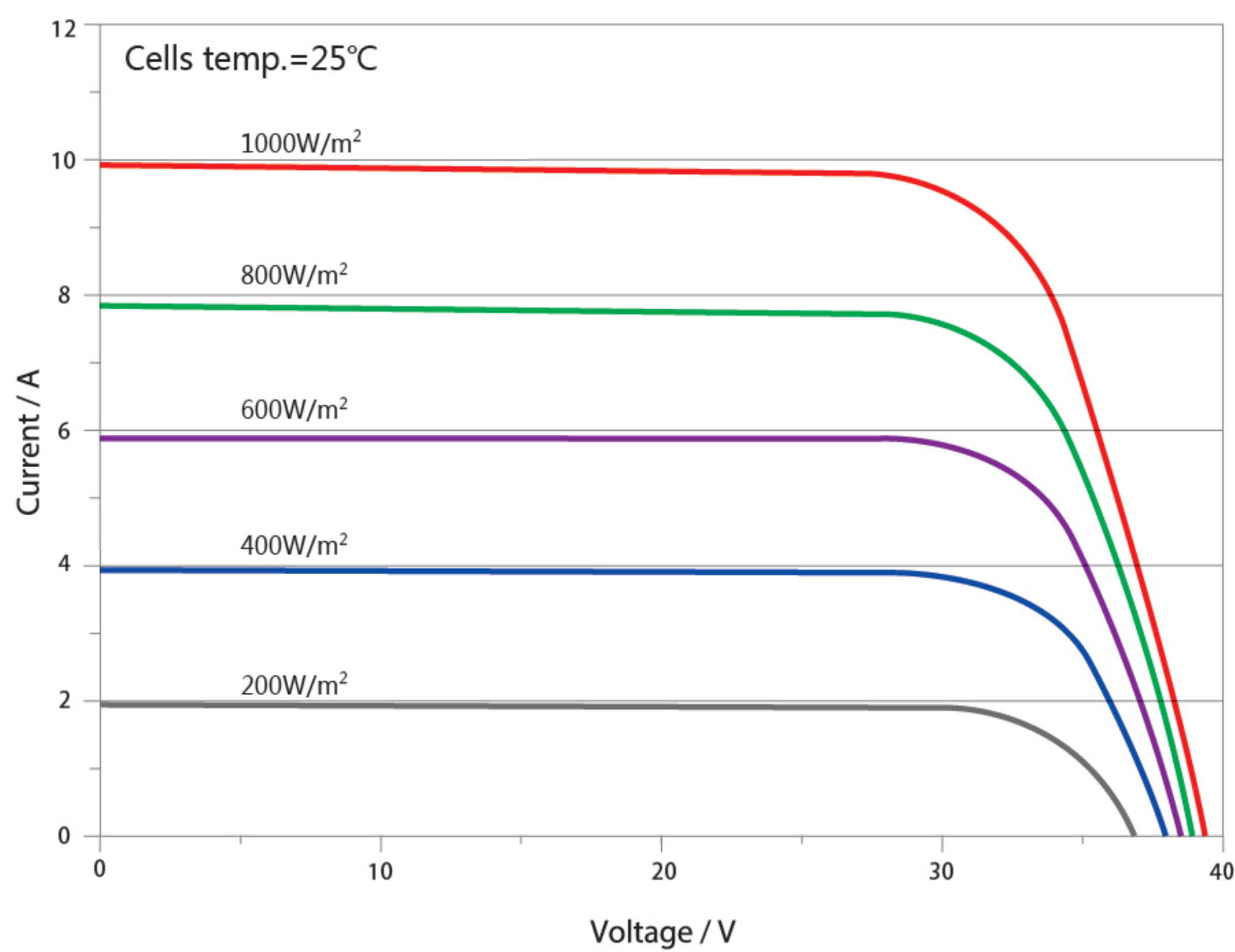
30 Years Performance Warranty



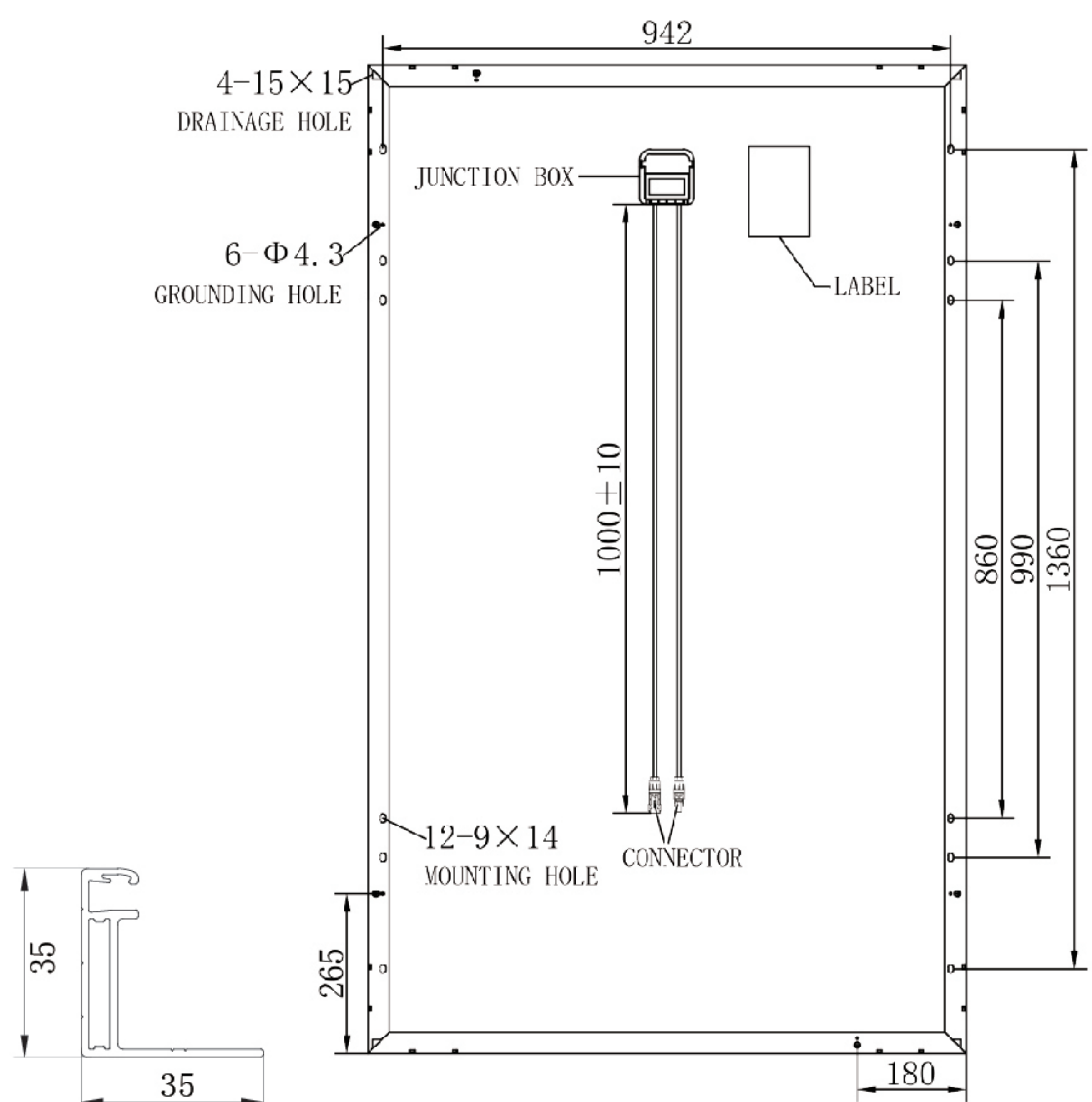
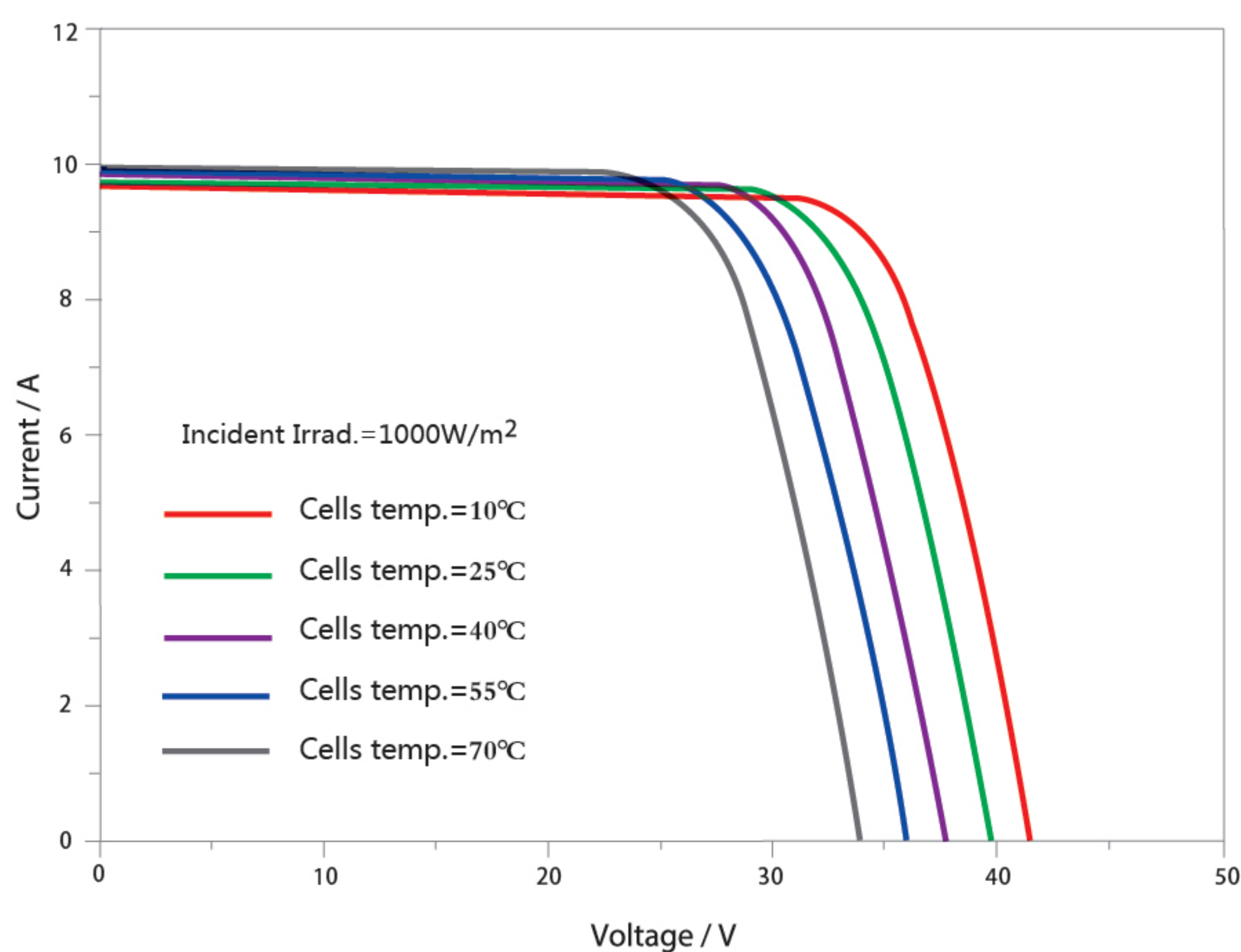
Sunport Power



I-V Curve at Different Irradiation (SPP310M60B-DP)



I-V Curve at Different Temperature (SPP310M60B-DP)



Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP300M60B-DP	SPP305M60B-DP	SPP310M60B-DP	SPP315M60B-DP	SPP320M60B-DP
Max-Power (P _m)	W	300	305	310	315	320
Power Tolerance	W	0~+3%				
Max-Power Voltage (V _m)	V	32.3	32.7	33.1	33.4	33.8
Max-Power Current (I _m)	A	9.28	9.32	9.36	9.43	9.48
Open-Circuit Voltage (V _{oc})	V	39.5	39.7	39.9	40.1	40.3
Short-Circuit Current (I _{sc})	A	10.05	10.15	10.22	10.27	10.31
Module Efficiency (η _m)	%	18.4	18.7	19.0	19.3	19.6

STC:AM=1.5, Irradiation1000W/m², Module Temperature25°C

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP300M60B-DP	SPP305M60B-DP	SPP310M60B-DP	SPP315M60B-DP	SPP320M60B-DP
Max-Power (P _m)	W	224	228	232	236	240
Max-Power Voltage (V _m)	V	29.7	29.9	30.1	30.3	30.5
Max-Power Current (I _m)	A	7.55	7.63	7.71	7.79	7.87
Open-Circuit Voltage (V _{oc})	V	35.9	36.0	36.1	36.2	36.3
Short-Circuit Current (I _{sc})	A	8.19	8.26	8.33	8.40	8.48

NMOT: Irradiation800W/m², Ambient Temperature20°C,Wind Speed1m/s

Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of P _m	-0.36%/°C
Temperature coefficient of V _{oc}	-0.28%/°C
Temperature coefficient of I _{sc}	0.06%/°C

Mechanical Property

Dimension(L × W × H)	1640mmx992mmx35mm
Weight	18.5kg
Front Glass	High transmittance anti-reflective coated tempered glass /3.2mm
Solar Cell	60(10×6)/ Mono-PERC / 6 inches
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Silver
Junction Box	IP67
Cable	1000mm / 4mm ²
Connectors	MC4 Compatible

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

Package

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