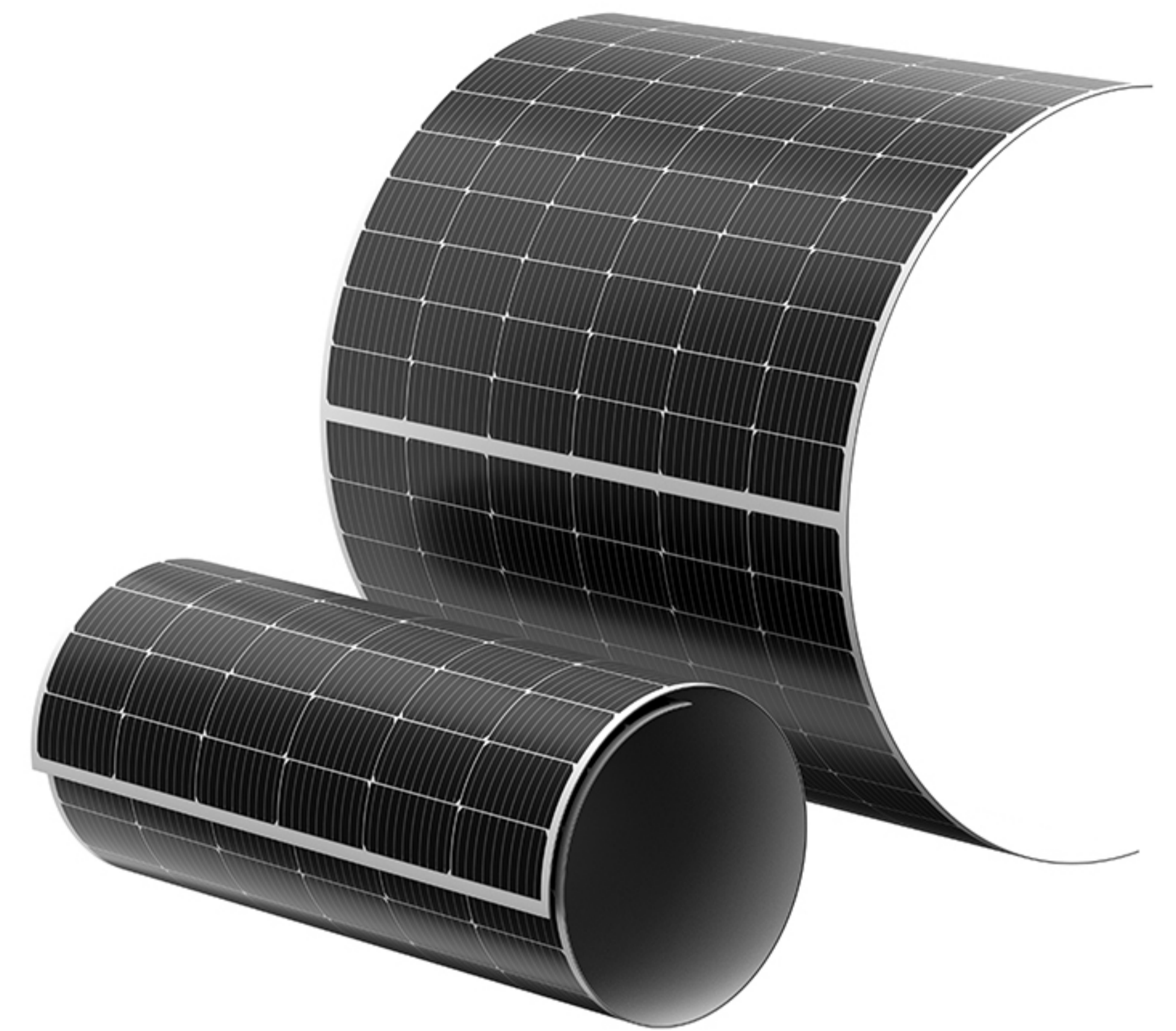


Green Solutions

Ultra-strength Flexible Modules

Empower every rooftop with the potential to harness solar energy.



4U-440W

Product Features

- Ultra-light, Ultra-thin, Ultra Flexible and Ultra Strength**
 Safely accommodates the requirements of low-load and curved roofing structures.
- Advanced Front Membrane Construction**
 Support with good hail impact resistance and strong load capacity.
- Easy Installation**
 Multiple installation approaches for a swift and straightforward process.
- Superior Reliability**
 Endorsed by professional certifications and product demonstrates its quality through extensive market application.

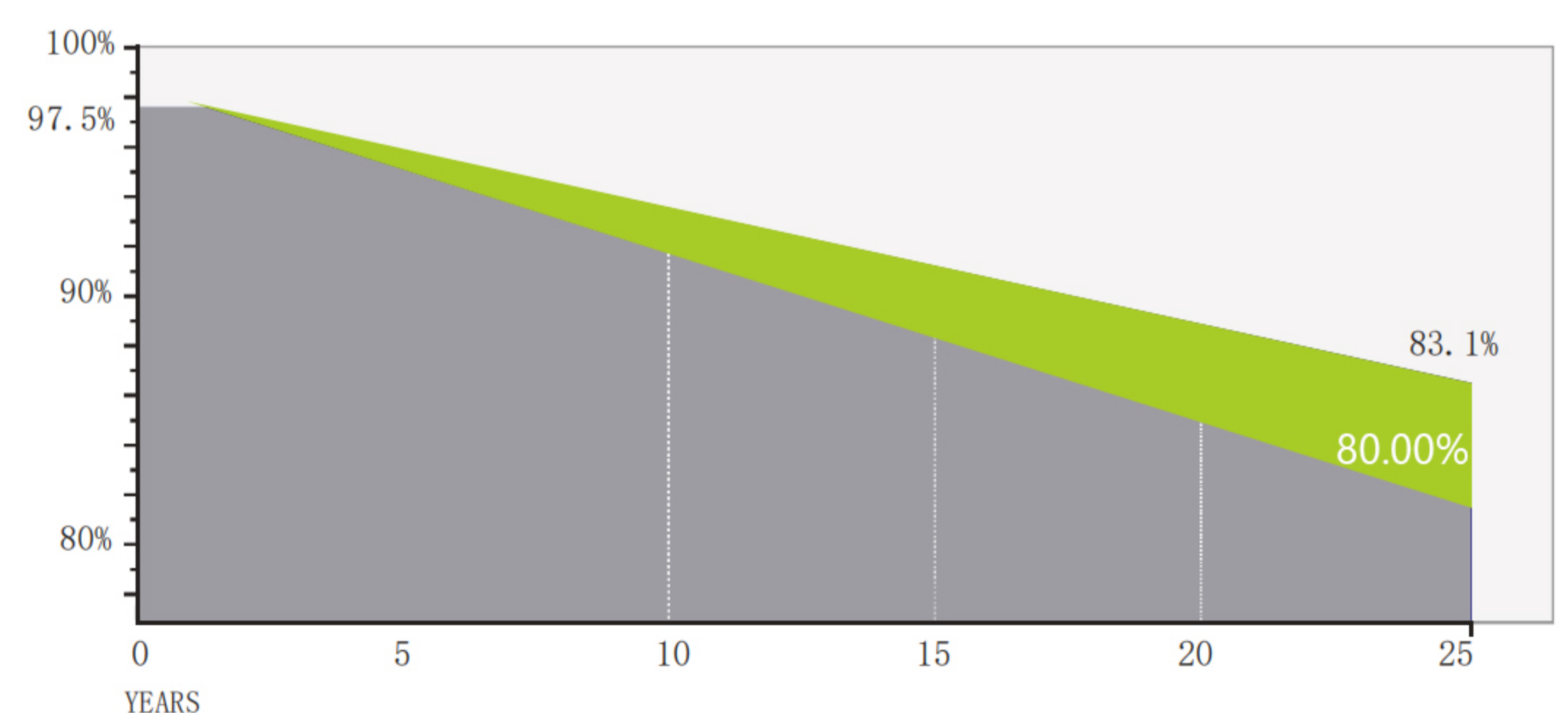
Product Warranty

12 YEARS

Quality
Warranty

25 YEARS

Performance
Warranty



Product Certification



Electrical Characteristics at Standard Test Conditions (STC)

Spec/Model	4U-420	4U-425	4U-430	4U-435	4U-440
Max-Power (Pm)	420W	425W	430W	435W	440W
Module Efficiency	19.3%	19.6%	19.8%	20.0%	20.3%
Open Circuit Voltage (Voc)	41.13V	41.28V	41.43V	41.58V	41.73V
Short-Circuit Current (Isc)	13.48A	13.55A	13.62A	13.69A	13.76A
Max Power Voltage (Vm)	33.88V	34.03V	34.18V	34.33V	34.48V
Max Power Current (Im)	12.41A	12.51A	12.60A	12.68A	12.77A
Power Tolerance	0~+5W				
STC: AM=1.5, Irradiation 1000W/m ² Module Temperature 25°C Power Tolerance ±3%					

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	4U-420	4U-425	4U-430	4U-435	4U-440
Max-Power (Pm)	312W	316W	320W	324W	327W
Open Circuit Voltage (Voc)	38.32V	38.46V	38.60V	38.75V	38.89V
Short-Circuit Current (Isc)	10.88A	10.94A	10.99A	11.05A	11.11A
Max Power Voltage (Vm)	32.11V	32.25V	32.40V	32.54V	32.68V
Max Power Current (Im)	9.72A	9.80A	9.88A	9.96A	10.01A
Power Tolerance	0~+5W				
NMOT: Irradiation 800W/m ² Ambient temperature 20°C Wind Speed 1m/s					

Temperature Characteristic

Pmax Temperature Coefficient	-0.35 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Isc Temperature Coefficient	+0.047 %/°C
Nominal Module Operation Temperature	45±2°C

Operating Conditions

Max. System Voltage	DC1500V(IEC)
Max. Series Fuse Rating	25A
Operating Temperature Range	-40°C~+85°C

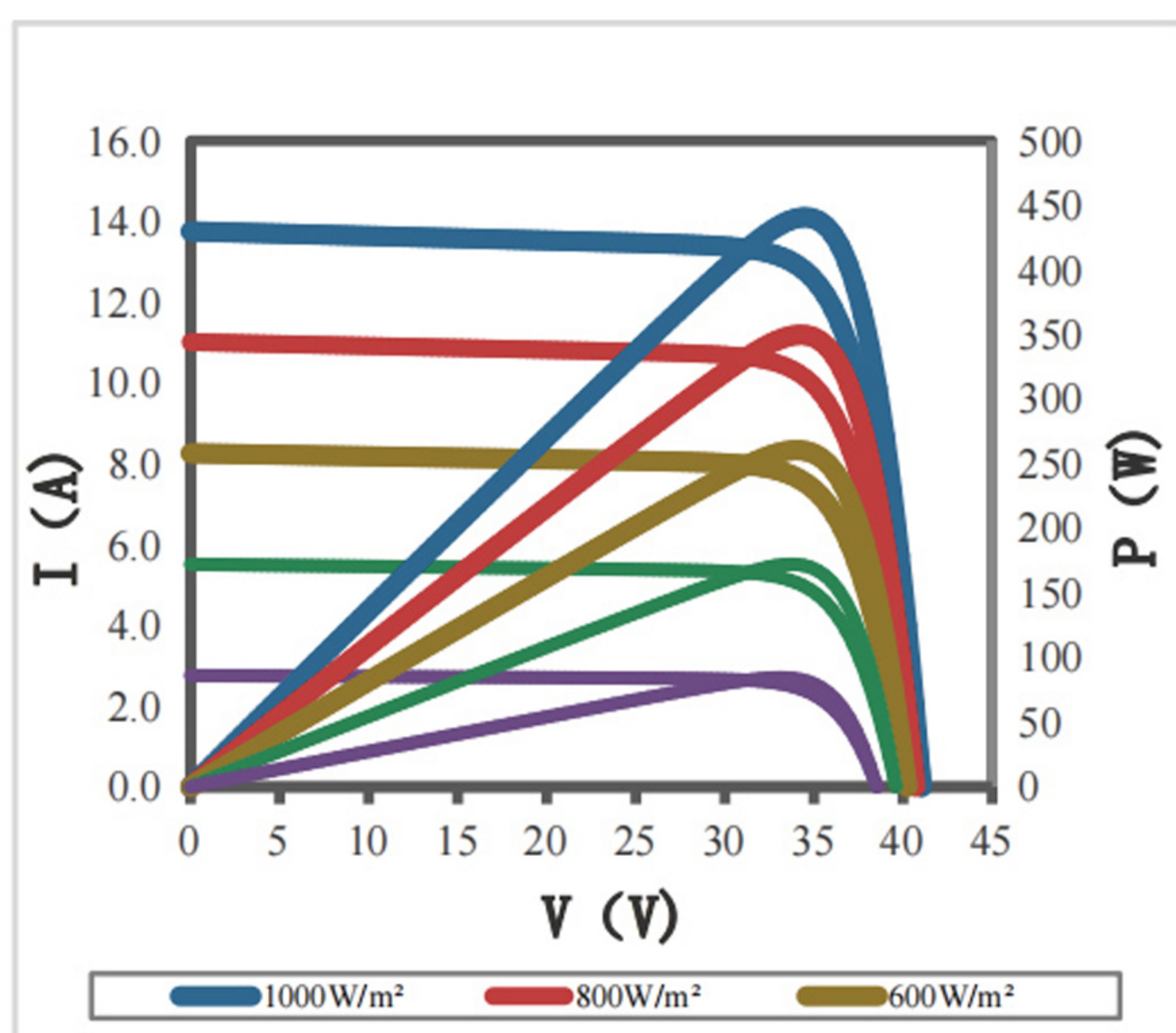
Mechanical Specifications

External Dimension	1911mm*1137mm*3.3mm
Version	Enhanced Version
Thickness	3.3mm
Weight	8.5kg
Solar Cell	Mono/120(6*20)
Frame	None
Glass	None
Junction Box	IR68, MC4 Compatible
Output Cables	4.0mmz, 300mm(+)/300mm(-)

Package

Packing Unit	40HQ
PCS/CTNS	68
Qty of Package	24
PCS/Packages	1632

IV - Curve



Product Size

