

OLV-54N-HEAH 410~430w

Excellent technical advantages and system design scheme to achieve high reliability, power generation effective gain and EPC cost reduction. Products can match different installation conditions, taking into account high adaptability and high compatibility. With mature support and inverter scheme, customized design for industrial and commercial and centralized ground power stations.



CERTIFICATION



LID N-type solar cell has no LID naturally which can increas power generation

</> Advance module technology delivers superior module efficiency

3 3 times EL test to ensure best quality Production process reliability test

⚡ Less mismatch to get more power, High module quality ensures long-term reliability

☀️ Competitive low light performance, Excellent outdoor power generation performance

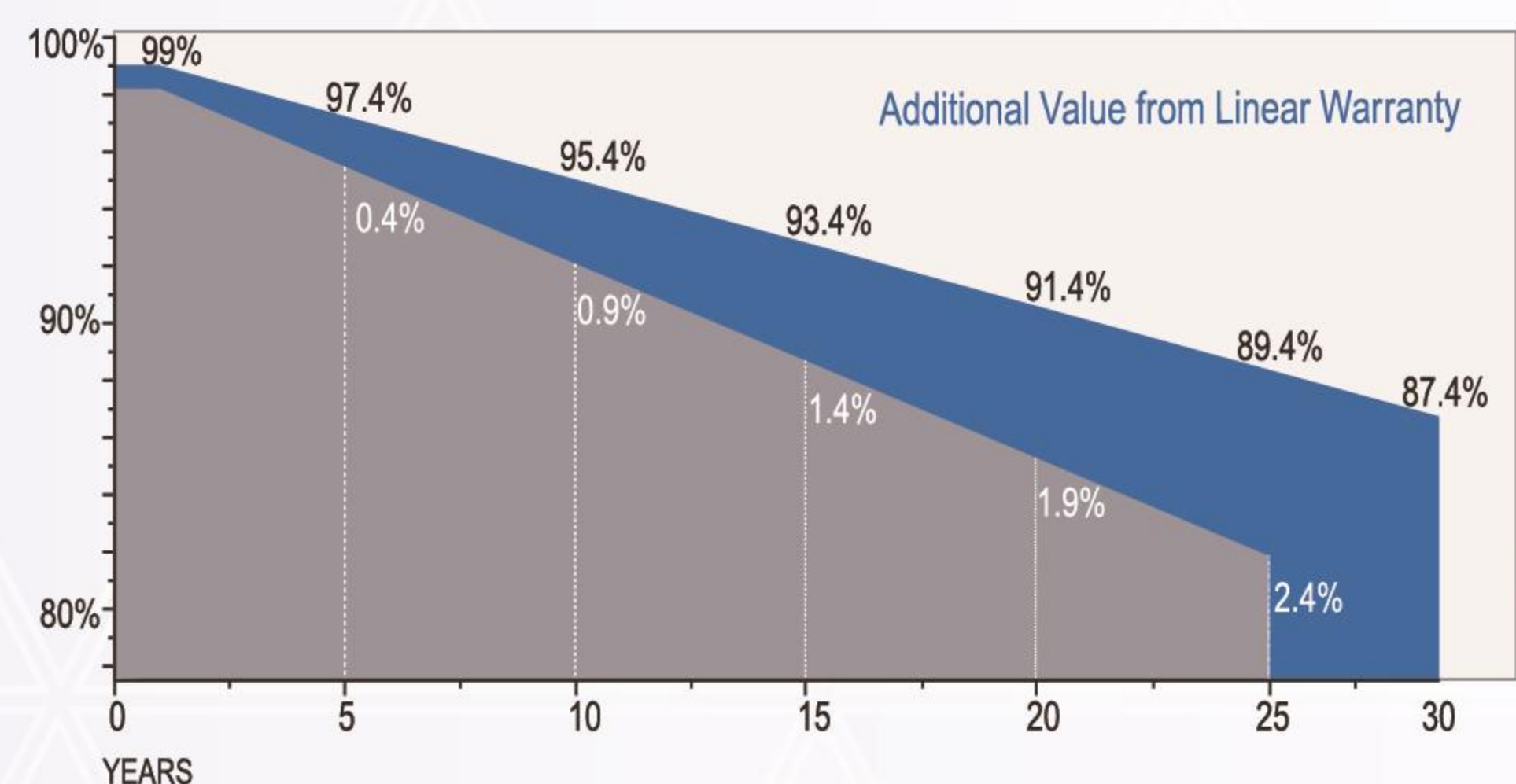
🌿 Less power loss by minimizing the shading impact, Suitable for ground power plants and distriuted project

💰 Ideal choice for utility and commercial scale projects by reduced BOS and improved ROI

15 YEARS Guarantee on product material and workmanship

30 YEARS Linear power output warranty

QUALITY ASSURANCE



PVEL Outstanding reliability proven by PVEL for stringent environment condition: Sand, Acid, Salt, Hailstones Anti-PID

OLV-54N-HEAH

N-type Half-Cut Cell | Full Black Module



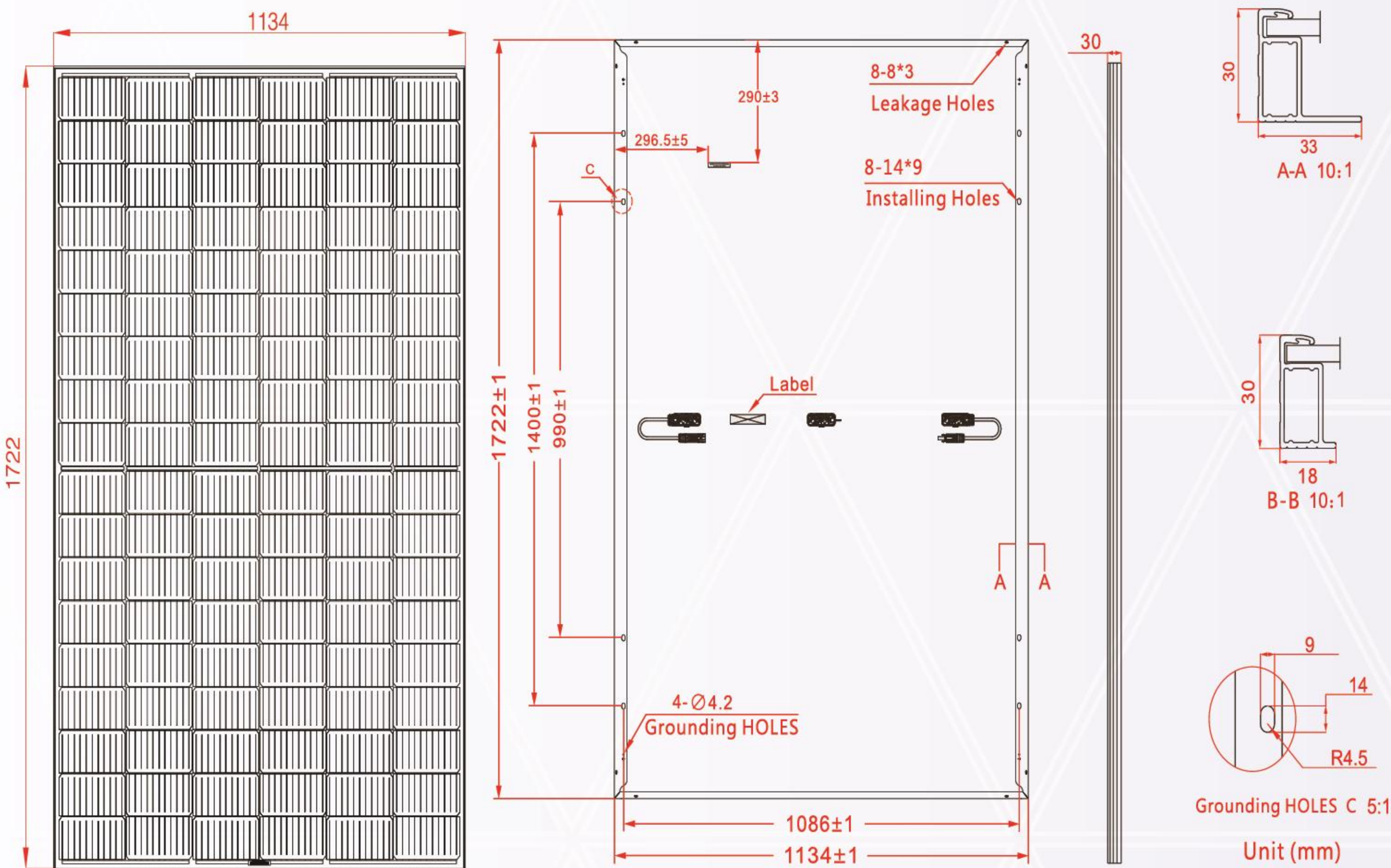
ELECTRICAL PARAMETERS

* Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±5%.

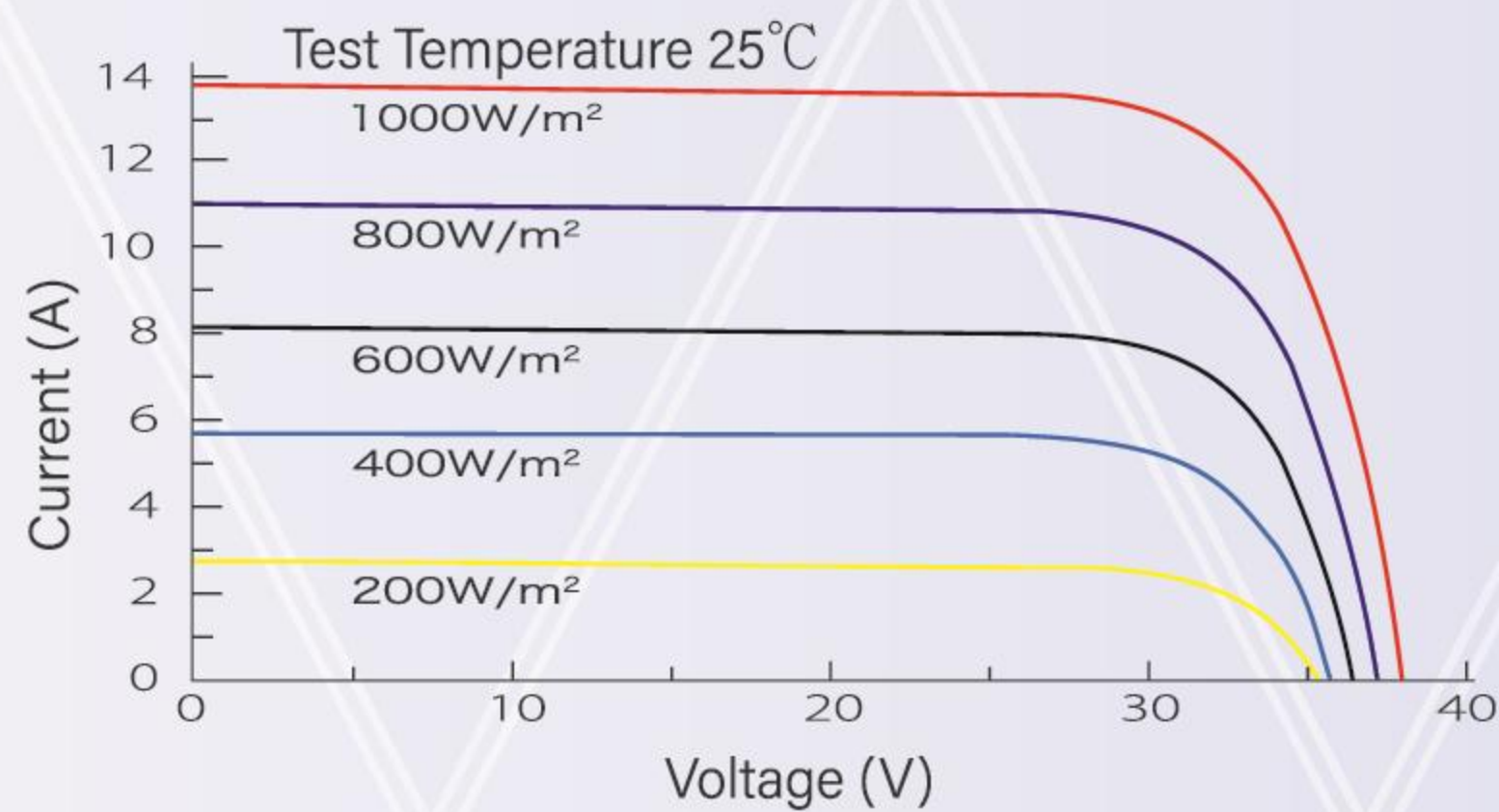
Module Type	OLV-410-54N-HEAH		OLV-415-54N-HEAH		OLV-420-54N-HEAH		OLV-425-54N-HEAH		OLV-430-54N-HEAH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power - Pmax (W)	410	305	415	309	420	313	425	317	430	320
Maximum Power Voltage - Vmpp (V)	31.38	29.38	31.59	29.57	31.91	29.87	32.22	30.16	32.49	30.41
Maximum Power Current - Imp (A)	13.07	10.40	13.14	10.45	13.16	10.48	13.19	10.50	13.24	10.53
Open Circuit Voltage - Voc (V)	37.31	35.22	37.42	35.32	37.58	35.48	37.75	35.63	38.07	35.94
Short Circuit Current - Isc (A)	13.80	11.15	13.87	11.20	13.93	11.25	13.19	11.30	14.00	11.31
Module Efficiency (%)	21.0		21.3		21.5		21.8		22.0	

STC: irradiance 1,000 W/m2; Spectra at AM 1.5; module temperature 25°C. Power output tolerance: 0~+5W. Measuring tolerance of power: ±3%
NMOT: irradiance 800 W/m2; Spectra at AM 1.5; Cell temperature 45°C; Ambient temperature 20°C. Wind speed 1m/s

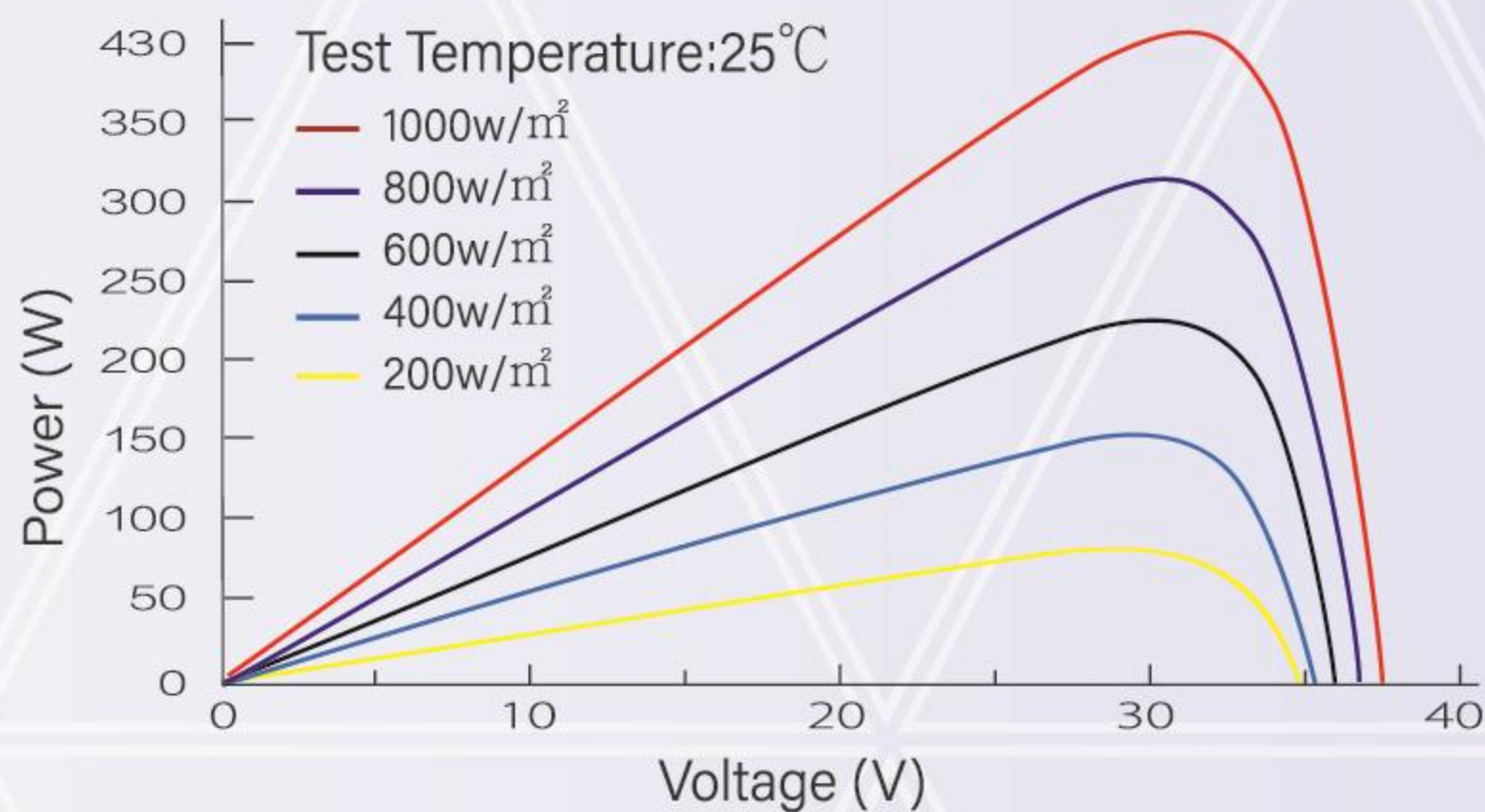
DIMENSIONS OF PV MODULE



I - V CURVES OF PV MODULE



P - V CURVES OF PV MODULE



MECHANICAL DATA

Solar Cells (mm)	182 x 91 N-type Monocrystalline
Cell Orientation	108 Cells (6 x 18)
Module Dimensions (L*W*H)	1722 x 1134 x 30mm
Weight (Kg)	21.3 kg
Glass	3.2 mm coated tempered glass
Backsheet	Black
Frame	Black anodized aluminum alloy
J-Box	IP68, 3 bypass diodes
Cables	Length 300mm, 1x4.0mm ²
Connector	MC4 and MC4 Compatible

TEMPERATURE RATINGS

NMOT	45°C (±2°C)
Temperature Coefficient of Pmax	-0.29 %/°C
Temperature Coefficient of Voc	-0.25 %/°C
Temperature Coefficient of Isc	+0.05 %/°C

MAXIMUN RATING

Operational Temperature (°C)	-40°C to +85°C
Maximum System Voltage (VDC)	1500
Max Series Fuse Rating (A)	25
Mechanical Load Front (Pa)	5,400
Mechanical Load Back (Pa)	2,400

PACKING CONFIGURATION

Module per box: 36 Pieces

MODULE PER CONTAINER

936 Pieces

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCTS.
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