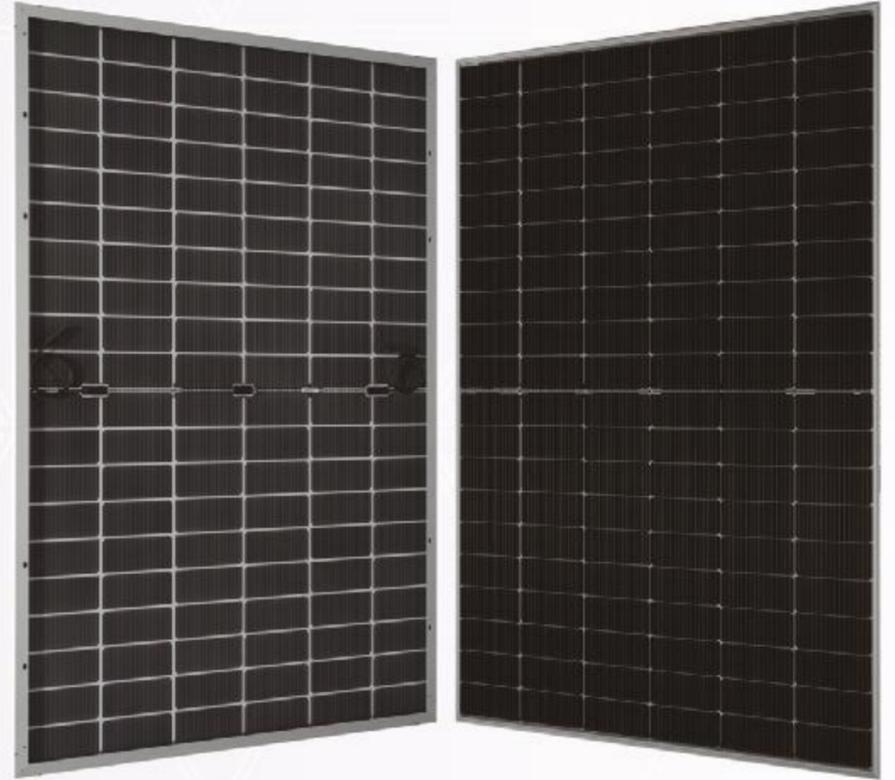


# OLV-60N-DEGH

## 495~515W

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.

# N-TYPE



Bifacial technology enables additional energy harvesting from rear side (up to 30%)



30-year lifespan delivers 10-30% more power compared with conventional P-type modules



The natural lack of LID in the N-type solar cell can increase power generation



Excellent low irradiance performance



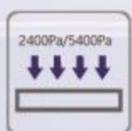
Better light trapping and current collection to improve module power output and reliability



Industry-leading, lowest thermal coefficient



Optimized electrical design and lower operating current for reduced hot spot loss and better temperature



Certified to withstand 2400 Pa of wind load and 5400 Pa of snow load



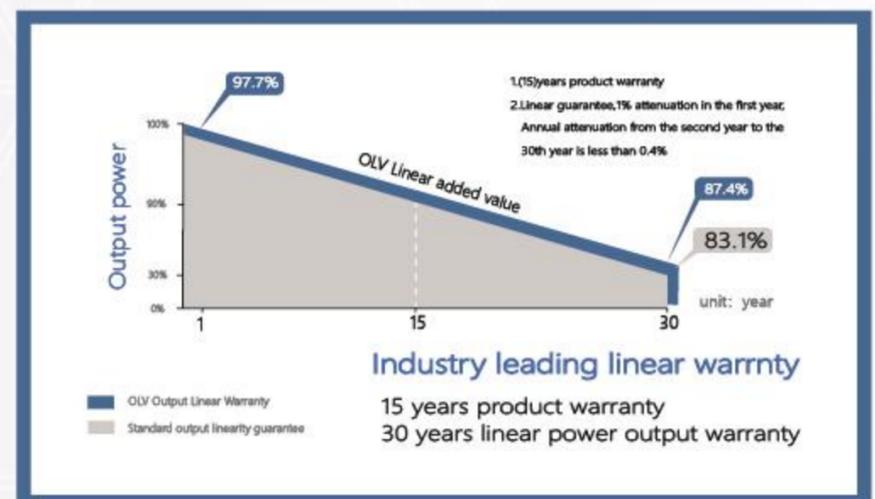
100% triple EL test, which greatly reduces the hidden cracks rate



Guarantee on product material and workmanship



Linear power output warranty



## CERTIFICATION



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

# OLV-60N-DEGH

N-type Half-Cut Cell | Bifacial Module | Double Glass



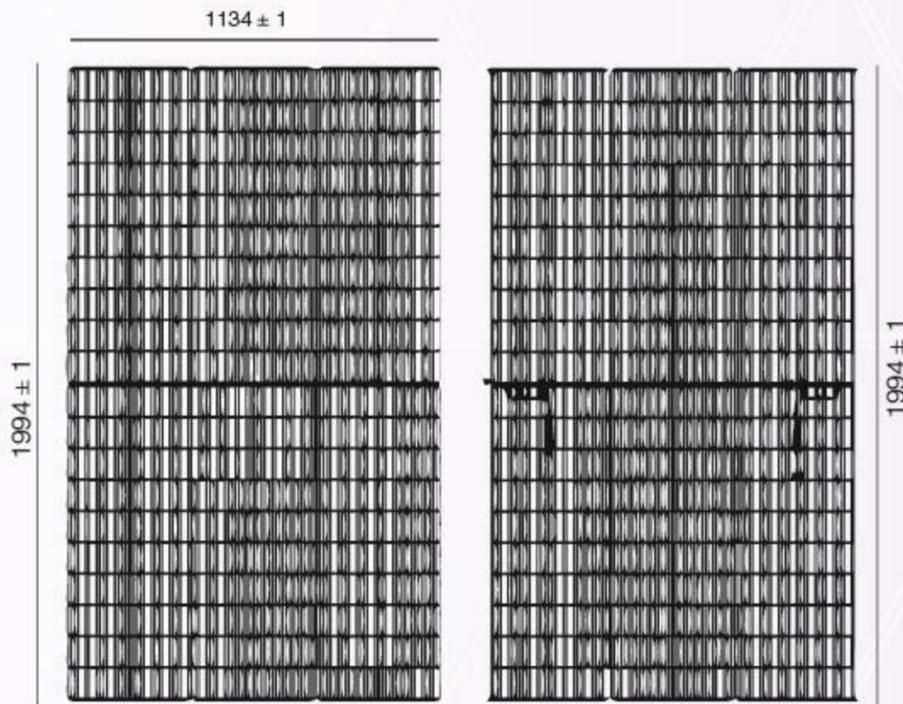
## ELECTRICAL PARAMETERS

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

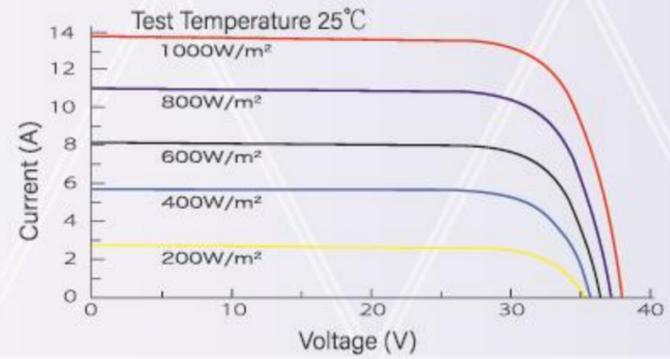
Module Type	OLV-495-60N-DEGH		OLV-500-60N-DEGH		OLV-505-60N-DEGH		OLV-510-60N-DEGH		OLV-515-60N-DEGH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power - Pmax (W)	495	374	500	378	505	382	510	386	515	389
Maximum Power Voltage - Vmpp (V)	36.40	34.40	36.60	34.60	36.80	34.80	37.00	35.00	37.20	35.20
Maximum Power Current - Imp (A)	13.61	10.88	13.67	10.93	13.73	10.98	13.79	11.03	13.85	11.07
Open Circuit Voltage - Voc (V)	43.00	40.70	43.20	40.90	43.40	41.10	43.60	41.30	43.80	41.50
Short Circuit Current - Isc (A)	14.44	11.64	14.51	11.70	14.58	11.76	14.65	118.10	14.72	11.87
Module Efficiency (%)	21.9		22.1		22.3		22.6		22.8	

STC: irradiance 1,000 W/m<sup>2</sup>; Spectra at AM 1.5; module temperature 25°C. Power output tolerance: 0~+5W. Measuring tolerance of power: ±3%  
 NMOT: irradiance 800 W/m<sup>2</sup>; Spectra at AM 1.5; Cell temperature 45°C; Ambient temperature 20°C. Wind speed 1m/s

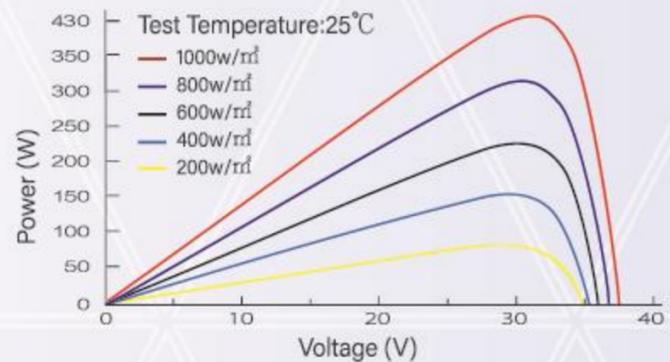
## DIMENSIONS OF PV MODULE



## I - V CURVES OF PV MODULE



## P - V CURVES OF PV MODULE



## MECHANICAL DATA

Solar Cells (mm)	182 x 99.5 N-type Monocrystalline
Cell Orientation	120 Cells (10x6)
Module Dimensions (L*W*H)	1994*1134*30mm
Weight (Kg)	28.4kg
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	White anodized aluminum alloy
J-Box	IP ≥68, 3 bypass diodes
Cables	4mm <sup>2</sup> , 300mm cable length
Connector	MC4 or MC4 compatible

## TEMPERATURE RATINGS

NMOT	45°C (±2°C)
Temperature Coefficient of Pmax	-0.30 %/°C
Temperature Coefficient of Voc	-0.25 %/°C
Temperature Coefficient of Isc	+0.046 %/°C

## MAXIMUM 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: 35 Pieces

## MODULE PER CONTAINER

770 Pieces

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

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