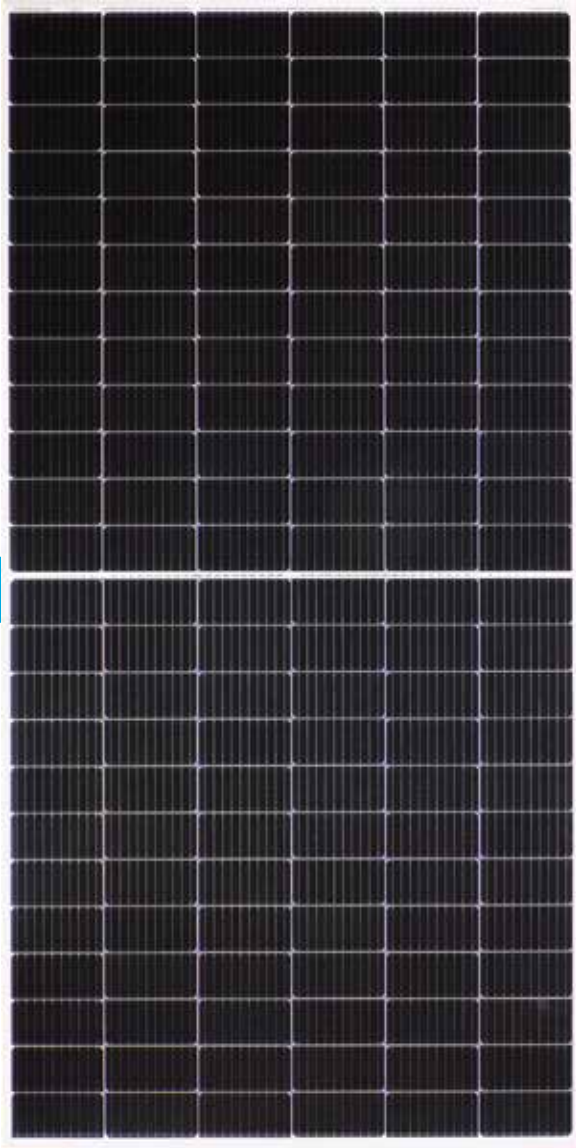


AVP66M10G | Bifacial Double Glass Mono PERC Module | 132 Cells | 505 Watt | Upto 21.19% Efficiency



## MONO PERC TECHNOLOGY



### Up to 30% Additional Power Generation Gain

Additional power gain from rear side depending on albedo



### ZERO LID (Light Induced Degradation)

Least Degradation for LID



### Lower LCOE

High bifaciality, high power output, saving BOS cost



### Better Weak Illumination Response

Wide spectral response, higher power output even under low-light settings like smog or cloudy days



### Better Temperature Coefficient

Higher power generation under working conditions, thanks to passivating contact cell technology



### Wider Applicability

BIPV, vertical installation, snowfield, high-humid area, windy and dusty area

505 W  
MAXIMUM  
POWER OUTPUT

0~+5 W  
POWER OUTPUT  
TOLERANCE

21.19%  
MAXIMUM  
EFFICIENCY

### Key Features

- ⦿ Excellent module conversion efficiency of up to 21.19%
- ⦿ Guaranteed positive tolerance to ensure power output reliability
- ⦿ More power output in weak light condition, such as haze, cloudy, and morning
- ⦿ Split junction boxes reduce module temperature resulting increased module reliability

### Quality & Reliability

- ⦿ IP68 rated junction box for long-term weather endurance
- ⦿ Made with high-graded raw material to achieve Quality, Durability, Efficiency, and through output
- ⦿ 30 years output warranty

AVP66M10G | Bifacial Double Glass Mono PERC Module | 132 Cells | 505 Watt | Upto 21.19% Efficiency

### Electrical Parameter at STC

Module Type	AVP66M10G**				
Capacity rating - Pmax (Wp)**	485	490	495	500	505
Rated voltage - Vmp(V)	37.47	37.63	37.79	37.92	38.08
Rated current - Imp(A)	12.95	13.03	13.11	13.18	13.26
Open circuit voltage - Voc(V)	45.22	45.4	45.58	45.76	45.94
Short circuit current - Isc(A)	13.64	13.72	13.8	13.88	13.96
Module efficiency (%)	20.35%	20.56%	20.77%	20.98%	21.19%

\*STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5. \*\*Measuring tolerance: ±3%.

### Electrical Parameter at NOCT

Capacity rating - Pmax (Wp)**	359	363	366	370	374
Rated voltage - Vmp(V)	34.85	35.00	35.14	35.27	35.41
Rated current - Imp(A)	10.36	10.42	10.49	10.54	10.61
Open circuit voltage - Voc(V)	42.51	42.68	42.85	43.01	43.18
Short circuit current - Isc(A)	11.05	11.11	11.18	11.24	11.31

\*NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s. \*\*Power Bifaciality: 70±5%

### Mechanical Specification

Specification	Details
Solar cells	Mono Perc, MBB 132 Cell
Encapsulation	POE/EPE/EVA
Back glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Front glass	2.0mm, Anti-Reflection Coated
Dimensions	(L) 2094 mm x (W) 1134 mm x (H) 35mm
Weight	30 kg
J-box	IP 68 certified, 3 diodes
Cable	Solar cable 4 mm <sup>2</sup> , length 300 mm / customized
Connectors	MC4-compatible connectors

### Operating Properties

Temperature range	-40°C to + 85°C
Maximum system voltage	1500 VDC
Power Tolerance	0 ~ +5 W
Bifaciality factor	70± 5%

### Temperature Coefficient

NOCT(Nominal Operating Cell Temperature)	42°C (±2°C)
Temperature Coefficient of Pmax	- 0.35%/°C
Temperature Coefficient of Voc	- 0.25%/°C
Temperature Coefficient of Isc	0.04%/°C

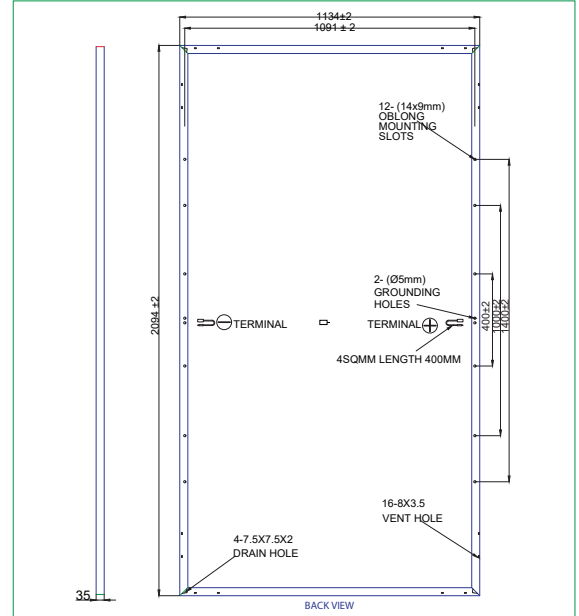
### Certificates

BIS | IEC 61730 | IEC 61215 | UL 61730 | IEC 62804(PID) | IEC 61701(Salt Mist) | IEC 61716(Ammonia) | IEC 62782 | IEC 61583-1&2(PAN file) | LID,LeTID | IEC 60068 (Sand & Dust) | CEC | CE

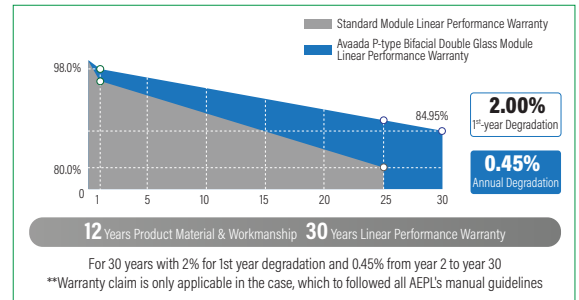
### Packing Configuration

Container	40'HQ
Modules per Pallet	31
Pallets per Container	18
Modules per Container	558

### Dimensions in mm



### Performance Warranty



### IV-Curve

