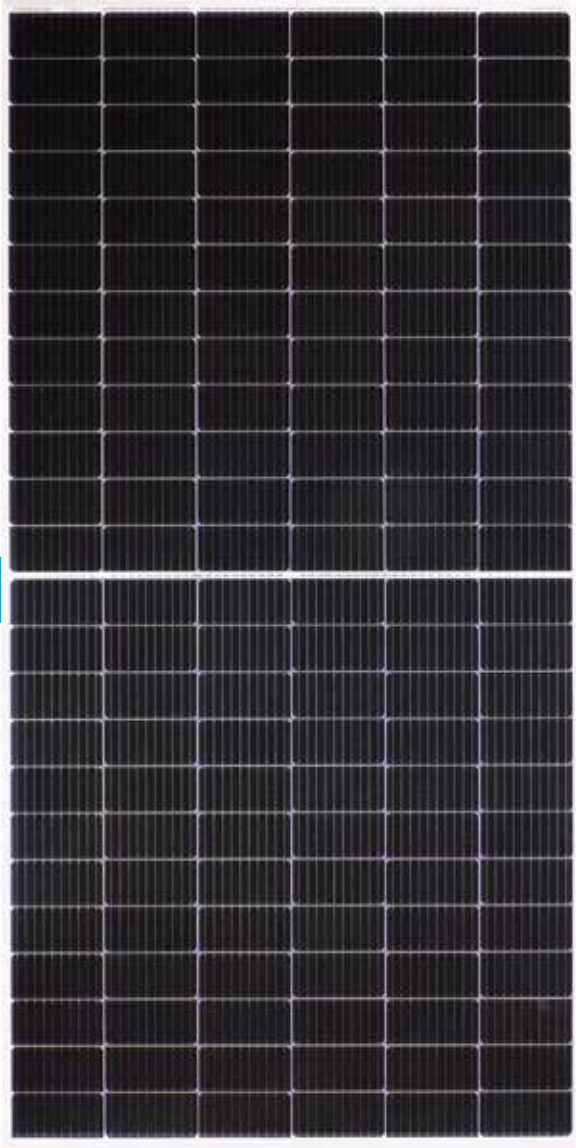


AVP60M10G | Bifacial Double Glass Mono PERC Module | 120 Cells | 455 Watt | Upto 20.99% Efficiency



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

455 W
MAXIMUM
POWER OUTPUT

0~+5 W
POWER OUTPUT
TOLERANCE

20.99%
MAXIMUM
EFFICIENCY

Key Features

- ⦿ Excellent module conversion efficiency of up to 20.99%
- ⦿ 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

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Electrical Parameter at STC

Module Type	AVP60M10G**				
Capacity rating - Pmax (Wp)**	435	440	445	450	455
Rated voltage - Vmp(V)	34.16	34.21	34.26	34.31	34.36
Rated current - Imp(A)	12.74	12.87	12.99	13.12	13.25
Open circuit voltage - Voc(V)	41.38	41.44	41.50	41.56	41.62
Short circuit current - Isc(A)	13.41	13.55	13.67	13.81	13.95
Module efficiency (%)	20.07	20.30	20.53	20.75	20.99

*STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5. **Measuring tolerance: ±3%.

Electrical Parameter at NOCT

Capacity rating - Pmax (Wp)**	322	326	329	333	337
Rated voltage - Vmp(V)	31.77	31.82	31.86	31.91	31.95
Rated current - Imp(A)	10.19	10.30	10.39	10.50	10.60
Open circuit voltage - Voc(V)	38.90	38.95	39.01	39.07	39.12
Short circuit current - Isc(A)	10.86	10.98	11.07	11.19	11.30

*NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s. **Power Bifaciality: 70±5%

Mechanical Specification

Specification	Details
Solar cells	Mono Perc, MBB 120 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) 1910 mm x (W) 1134 mm x (H) 35mm
Weight	28 kg
J-box	IP 68 certified, 3 diodes
Cable	Solar cable 4 mm ² , 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

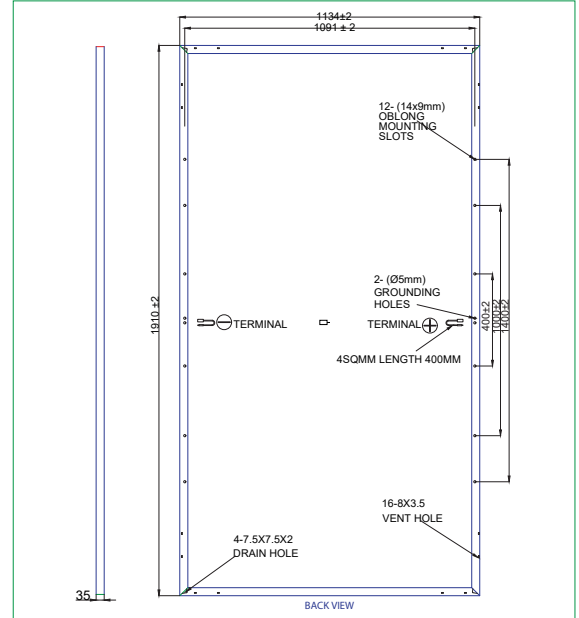
Certificates

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

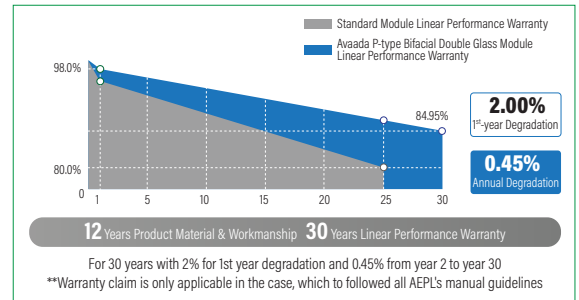
Packing Configuration

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

Dimensions in mm



Performance Warranty



IV-Curve

