

Voltah Modules

700 ~ 720WATT

N-Type TOPCon Technology



23.18

Maximum efficiency %

N-type Bifacia

Glass to Glass

132 CELL

Cell Type

700 ~ 720W

Power output

0 ~ +5W

Power Output Tolerance

18 BB

Multi Busbar



Quality Guarantee

12 Years Workmanship Warranty

30 Years Linear Performance Warranty



Up to 30% Additional Power Generation

Additional power gain from the rear side depending on albedo.



Better Weak Illumination Response

Produces higher power even during, Smog, Cloudy weather, Low-light conditions.



Low LID (Light Induced Degradation)

TOPCon cells have low LID due to the N-type silicon substrate.



Better Temperature Coefficient

Improved performance in hot climates.



Lower LCOE

High bifaciality and high power output help reduce BOS costs.



Wider Applicability

Suitable for, Vertical installations, Snowfield areas, High-humidity regions



A LOBEL Product

Electrical Parameter at STC

LGVT700 ~ 720W N-Type TOPCon Technology

Model No	LGVT700 TPC144	LGVT705 TPC144	LGVT710 TPC144	LGVT715 TPC144	LGVT720 TPC144
Capacity rating – Pmax (Wp*)	700	705	710	715	720
Rated voltage - Vmp(V)	40.5	40.7	40.9	41.1	41.3
Rated current - Imp(A)	17.29	17.33	17.36	17.4	17.43
Open circuit voltage - Voc(V)	48.2	48.4	48.6	48.8	49
Short circuit current - Isc(A)	18.32	18.36	18.4	18.44	18.48
Module efficiency (%)	22.53%	22.70%	22.86%	23.02%	23.18%

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

Electrical Parameter at NOCT

Model No	LGVT700 TPC144	LGVT705 TPC144	LGVT710 TPC144	LGVT715 TPC144	LGVT720 TPC144
Capacity rating – Pmax (Wp*)	534	538	542	546	550
Rated voltage - Vmp(V)	37.8	38	38.2	38.4	38.6
Rated current - Imp(A)	14.14	14.16	14.19	14.22	14.25
Open circuit voltage - Voc(V)	45.7	45.9	46.1	46.3	46.5
Short circuit current - Isc(A)	14.8	14.84	14.88	14.92	14.96

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

Bifaciality:80±5%

Mechanical Specification

Specification	Details
Solar cells	N type TOPCon, MBB 132 Cell
Encapsulation	POE/EPE/EVA
Back glass	2.0mm, Semi Tempered Glass
Front glass	2.0mm, Anti-Reflection Coated
Frame	Anodized Aluminum Alloy
Dimensions	(L) 2384 mm x (W) 1303 mm x (H) 35mm
Weight	38 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 (As per Lab)	80±5%

Temperature Coefficient

NOCT(Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.04%/°C

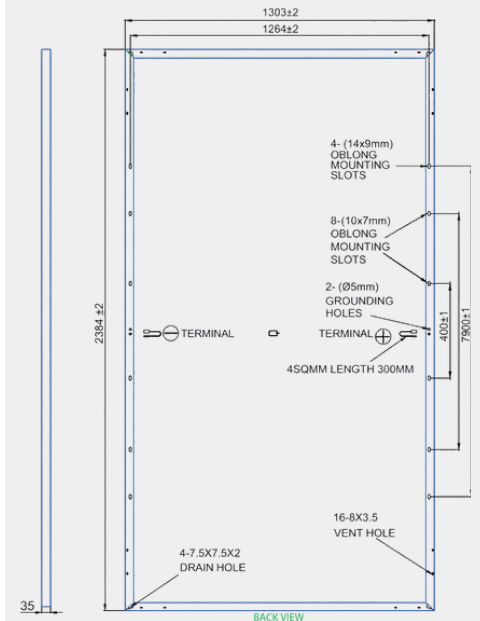
Packing Configuration Certificates

Container	40'HQ
Modules per Pallet	31
Pallets per Container	20
Modules per Container	620

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

*Few Certifications in process

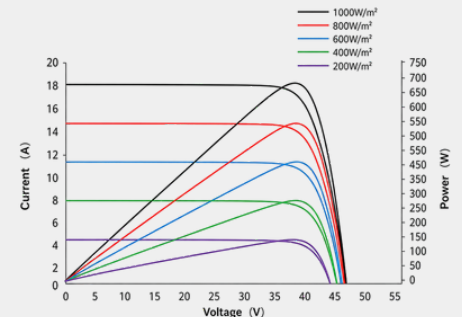
Dimensions in mm



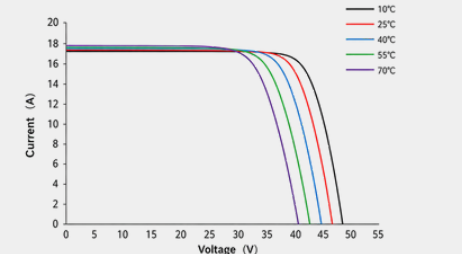
LGVT700 ~ 720W

I-V Characteristics at different irradiances

I-V/P-V Curve at Different Irradiation



I-V Curve at Different Temperature



Powered By:



Manufacture by avada

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