



Ultra efficient

HJT batteries yield a double-sided power generation rate of up to 90%.



Low Temperature Coefficient

A Pmax temperature coefficient of -0.25%/C ensures outstanding power generation at high temperatures.



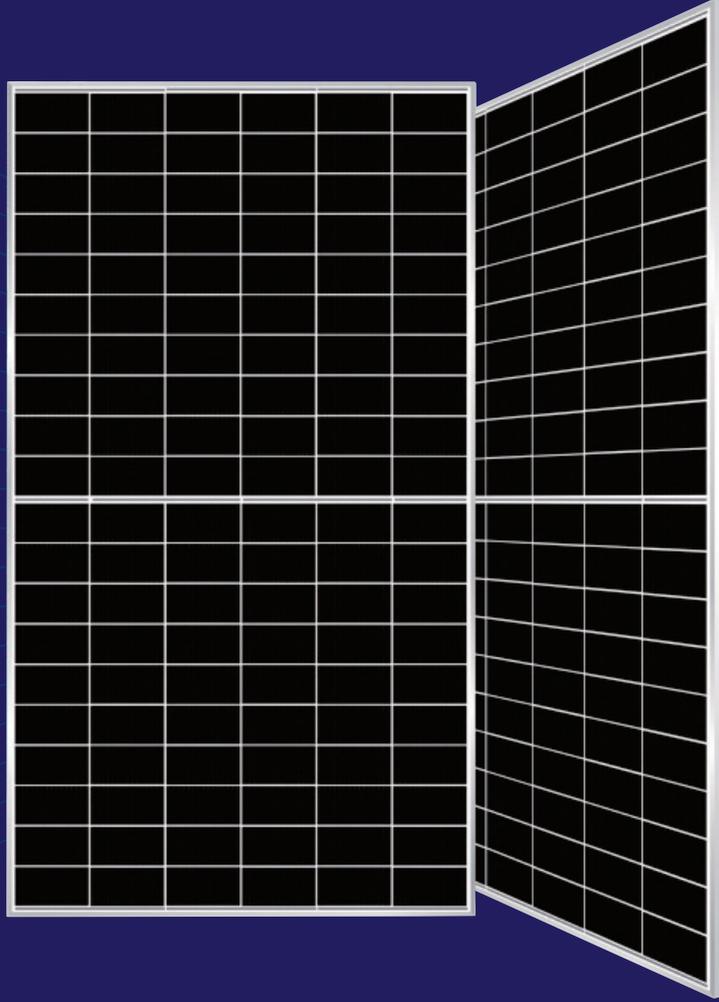
Lower water permeability

Low permeability packaging materials improve reliability.



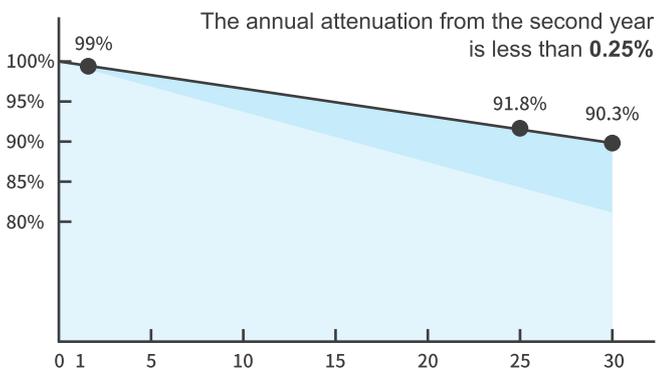
Lower LCOE

Ultra high component power and conversion efficiency cut BOS related costs.



First-class Warranty

15 years Product Warranty **30** years Linear Power Warranty

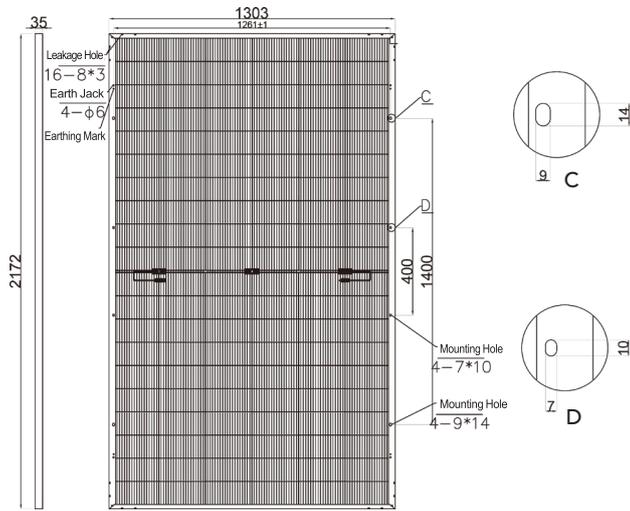


Comprehensive Product and System Certification

- ISO9001 Quality Management System
- ISO14001 Environmental Management System
- ISO45001 Occupational Health and Safety Management System



Engineering Drawings (Unit: mm)



Structural Parameters

Cell Mode	HJT (210*105mm)
Cell Connection	120pcs (6x20)
Glass	(F)coated semi-tempered glass/ (B)semi-tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68
Output Cable	4mm ² , 300mm in length(length can be customized)/UV resistant
Connectors Type	MC4 compatible
Module dimension	2172 x 1303 x 35mm
Module weight	35.3kg
Maximum static mechanical load	5400Pa (Snow load) 2400Pa (Wind Load)

Electrical Parameters

Module Type	GDT120A-620	GDT120A-625	GDT120A-630	GDT120A-635	GDT120A-640	GDT120A-645	GDT120A-650
Maximum Power:Pmax(W)	620	625	630	635	640	645	650
Voltage at Maximum Power:Vmp(v)	37.44	37.54	37.64	37.76	37.90	38.02	38.13
Current at Maximum Power:Imp(A)	16.56	16.65	16.74	16.82	16.89	16.97	17.05
Open Circuit Voltage:Voc(V)	44.65	44.71	44.87	44.93	44.99	45.05	45.11
Short Circuit Current:Isc(A)	17.04	17.16	17.27	17.37	17.47	17.56	17.65
Module Efficiency(%)	21.91	22.08	22.26	22.44	22.61	22.79	22.97
Power Output Tolerance(w)	0~+ 5						
Maximum System Voltage(v)	1500						
Bifaciality	85%±5%						

STC (Standard Test Condition) : irradiance 1000w/m² , cell temperature 25°C , AM 1.5 , tolerance of Pmax is within ±3%.

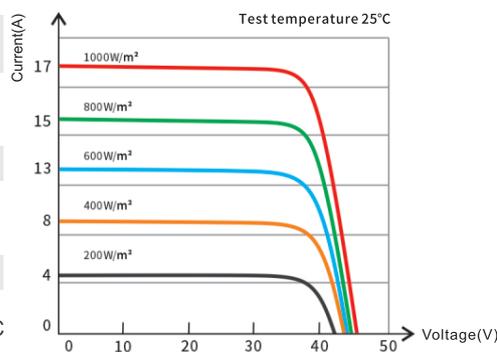
Bifacial Electrical Parameters

Maximum Power : Pmax (W)	685	690	695	700	705	710	715
Voltage at Maximum Power : Vmp (v)	37.44	37.54	37.64	37.76	37.90	38.02	38.13
Current at Maximum Power : Imp (A)	18.30	18.39	18.47	18.55	18.61	18.68	18.76
Open Circuit Voltage : Voc (V)	44.65	44.71	44.87	44.93	44.99	45.05	45.11
Short Circuit Current : Isc (A)	18.83	18.95	19.06	19.15	19.25	19.33	19.42

BSTC (Bifacial Standard Test Condition) : front side irradiance 1000w/m² , back side irradiance 135w/m² , AM 1.5 , ambient temperature 25°C

Temperature Parameters

Nominal Operating Cell Temperature(NMOT)	43±2°C
Temperature Coefficient of Pmax	-0.25%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°C
Maximum series fuse	30A
Operating Temperature	-40 ~ + 85°C



Packaging Information

Shipping Method	Flat-bed trailer	Flat-bed trailer	Container
Size	13m	17.5m	40'
Modules per Pallet	31pcs	31pcs	31pcs
Pallets	18Pallets	28Pallets	18Pallets
Modules	558pcs	868pcs	558pcs