



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.



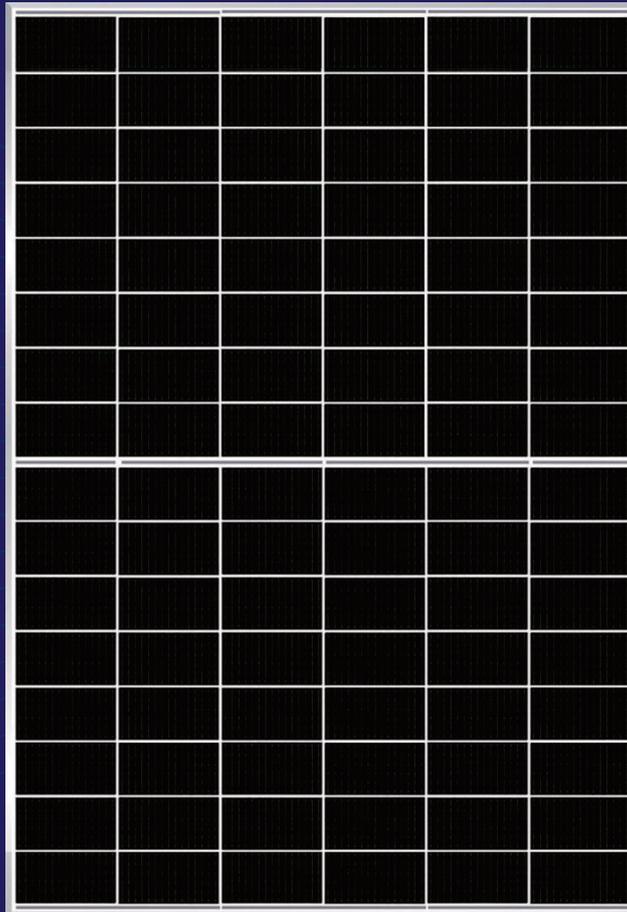
Lower water permeability

Low permeability packaging materials improve reliability.



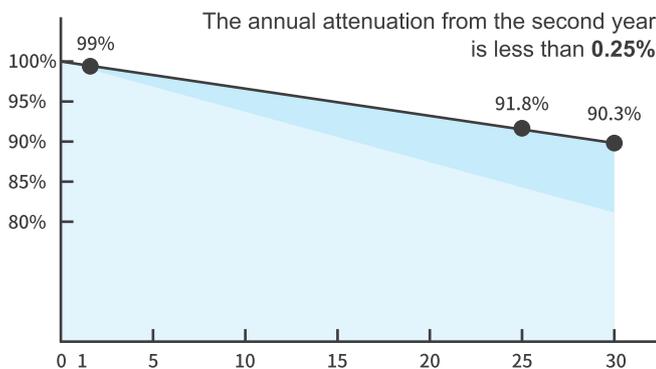
Lower LCOE

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

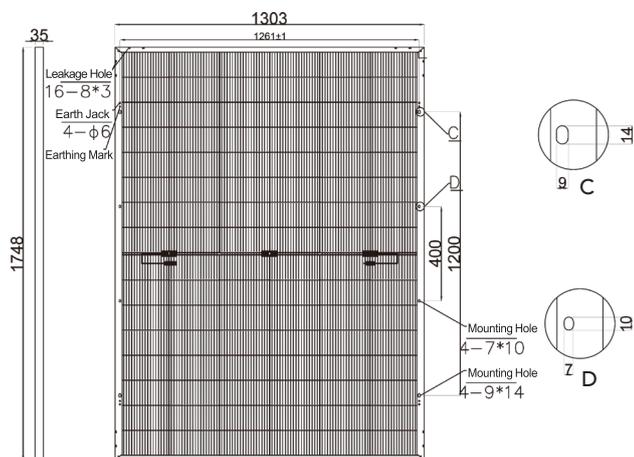
ISO9001 Quality Management System

ISO14001 Environmental Management System

ISO45001 Occupational Health and Safety Management System



Engineering Drawings (Unit: mm)



Structural Parameters

Cell Mode	HJT (210*105mm)
Cell Connection	96pcs (6x16)
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	1748x 1303 x 35mm
Module weight	28.4kg
Maximum static mechanical load	5400Pa (Snow load) 2400Pa (Wind Load)

Electrical Parameters

Module Type	GDT96A-485	GDT96A-490	GDT96A-495	GDT96A-500	GDT96A-505	GDT96A-510	GDT96A-515
Maximum Power:Pmax(W)	485	490	495	500	505	510	515
Voltage at Maximum Power:Vmp(v)	29.80	29.89	29.98	30.08	30.21	30.33	30.43
Current at Maximum Power:Imp(A)	16.28	16.40	16.52	16.63	16.72	16.82	16.93
Open Circuit Voltage:Voc(V)	35.59	35.64	35.68	35.73	35.77	35.83	35.87
Short Circuit Current:Isc(A)	16.94	17.02	17.11	17.21	17.28	17.36	17.45
Module Efficiency(%)	21.29	21.51	21.73	21.95	22.17	22.39	22.61
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%.

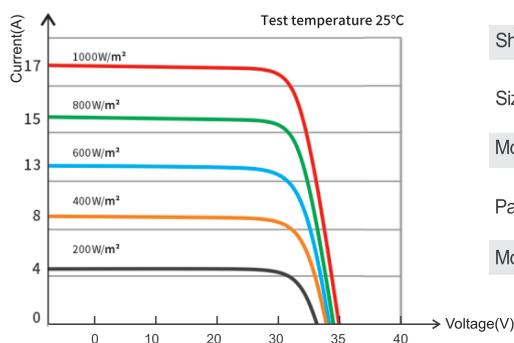
Bifacial Electrical Parameters

Maximum Power : Pmax (W)	555	560	565	570	575	580	585
Voltage at Maximum Power : Vmp (v)	29.80	29.89	29.98	30.08	30.21	30.33	30.43
Current at Maximum Power : Imp (A)	18.63	18.74	18.85	18.96	19.04	19.13	19.23
Open Circuit Voltage : Voc (V)	35.59	35.64	35.68	35.73	35.77	35.83	35.87
Short Circuit Current : Isc (A)	19.39	19.45	19.53	19.62	19.68	19.74	19.82

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	34Pallets	18Pallets
Modules	558pcs	1054pcs	558pcs