

HD SOLAR

Monocrystalline HJT G12 Half-cell bifacial double Glass PV Module

HDM-G12H 132 Half cells 700-735wp Double glass PV MODULE

RELIABLE QUALITY

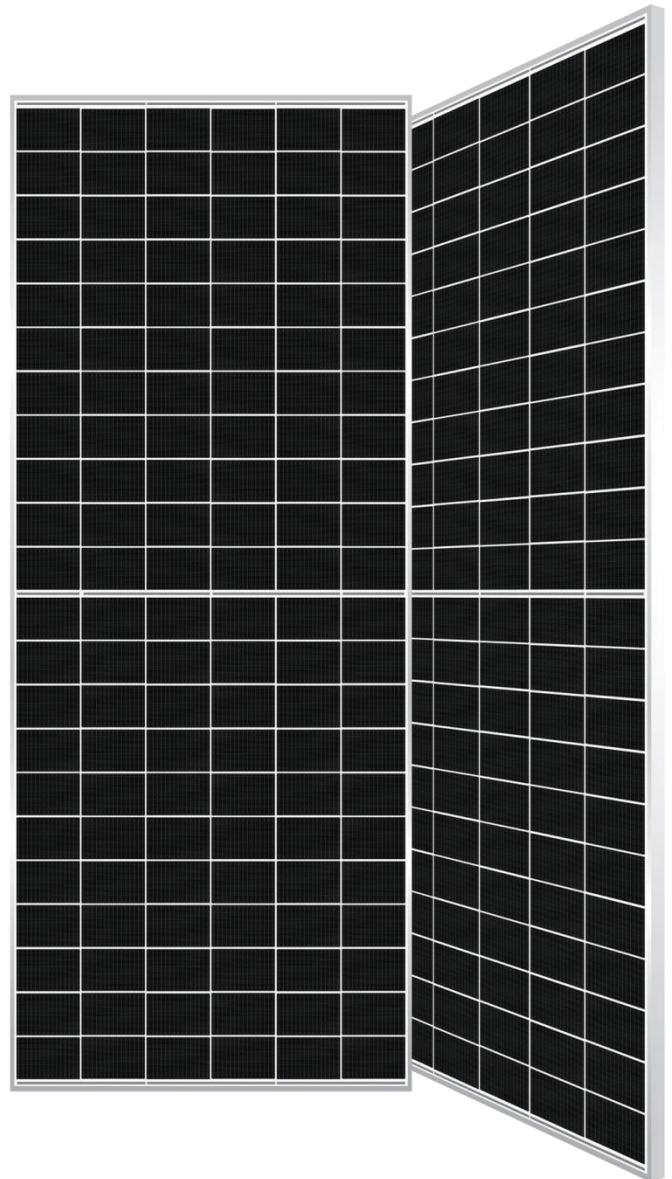
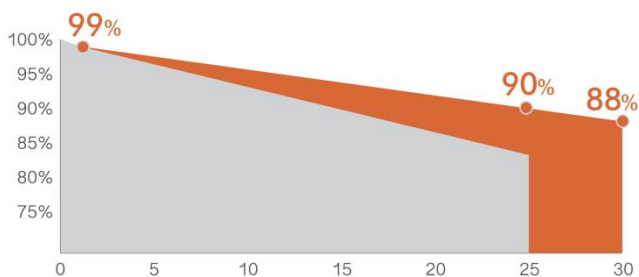
- 20BB Half-cut cell SMBB technology New circuit design, Lower internal current, Lower Rs loss Ga doped wafer, attenuation <2%(1st year)/≤0.55%(linear)
- Significantly Lower the risk of hot spot Special circuit design with much lower hot spot temperature
- Lower LCOE 2% More power generation, lower LCOE
- Excellent Anti-PID performance 2 times of industry standard Anti-PID test TUV SUD
- Higher power generation under working conditions

MECHANICAL PARAMETERS

Cell(mm)	Mono210×105mm 20BB
Weight(kg)	37.5KG
Dimensions(L×W×H)(mm)	2384×1303×30mm
Cable cross section size(mm ²)	4mm ² 1400mm in length
NO.of cells and connections	132(66×2)
Front Glass	2.0mm AR Coating Tempered
Back Glass	2.0mm Tempered
Frame	Anodized Aluminium
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible

WORKING CONDITIONS

Maximum system voltage	DC1500V(IEC)
Operating temperature	-40℃ --- +85℃
Maximum series fuse	35A
Static Loading Snow Loading:5400Pa/Wind Loading:2400Pa	
Conductivity at Ground	≤0.1Ω
Resistance	≥100MΩ
Fire Safety	Class C
Power Tolerance	0 -+ 5WP
Bifacial	95%±5%



Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types

HD solar power ltd

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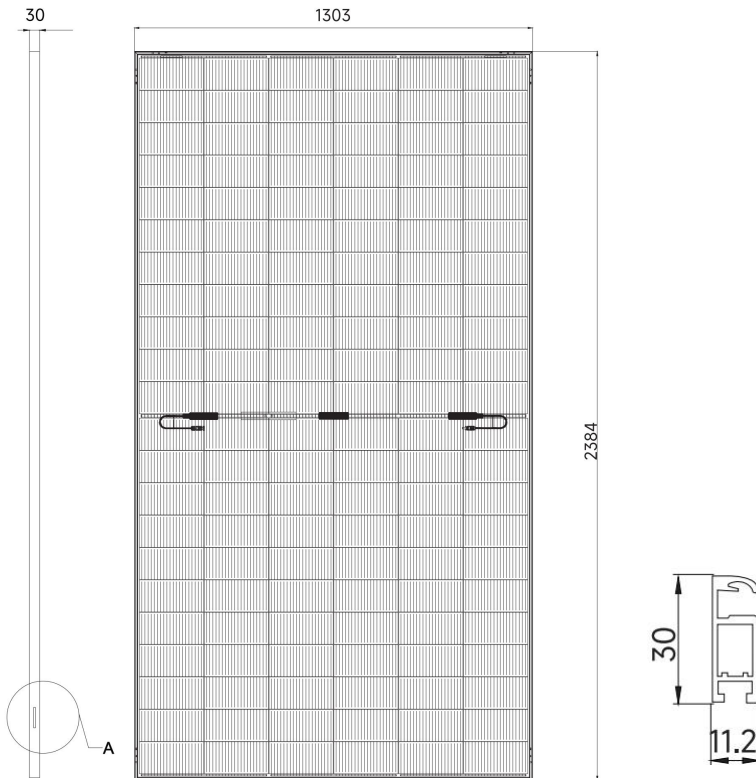
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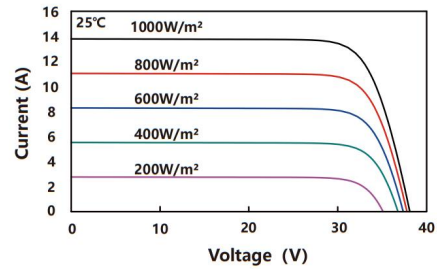
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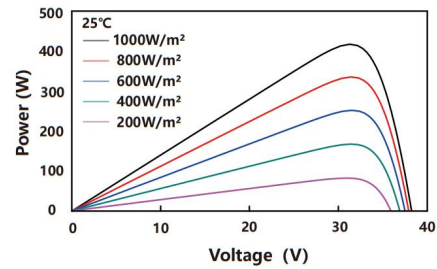
Engineering Drawing(unit mm)



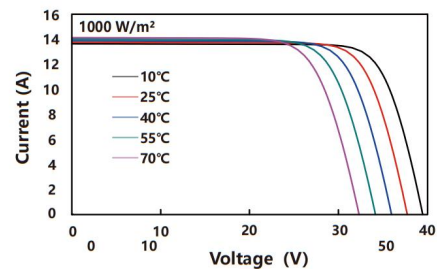
I-V CURVE



I-V Characteristics At Different Irradiations



P-V Characteristics At Different Irradiations



I-V Characteristics At Different Temperatures

customized cable length available upon request

Electrical Propeties STC Irradiance 1000W/m²,Module Temperature 25°C,Air Mass 1.5

Rated maximum power at STC(W)	700	705	710	715	720	725	730	735
Open circuit voltage (Voc/V)	49.77	49.87	49.97	50.07	50.17	50.27	50.37	50.47
Maximum power voltage(Vmp/V)	41.78	41.87	41.96	42.05	42.14	42.23	42.32	42.41
Short circuit current(Isc/A)	17.81	17.90	17.99	18.08	18.17	18.26	18.35	18.44
Maximum power current(Imp/A)	16.76	16.84	16.93	17.02	17.10	17.18	17.26	17.34
Module Efficiency [%]	22.50	22.70	22.90	23.0	23.20	23.30	23.50	23.70

BSTC NOCT:Irradiance at 800w/m2,Ambient Temperature 20 Wind Speed 1m/s

Peak Pwer(Pmax)(w)	789	795	801	806	812	817	823	829
Mpp Voltage(Vmp)(v)	41.92	42.02	42.11	42.02	42.29	42.38	42.47	42.56
MPP Current(Imp)(A)	18.84	18.93	19.02	19.12	19.21	19.30	19.39	19.49
Open Circuit Voltage(VOC)(V)	49.94	50.04	50.14	50.24	50.34	50.44	50.54	50.65
Short Circuit Current(Isc)(A)	20.09	20.20	20.30	20.40	20.50	20.60	20.70	20.80

Temperature Coefficient Temperature Coefficient of Pmax 0.03%/°C

Temperatrue Coefficient of Pmax	-0.24%/°C
Temperature Coefficiency of Voc	-0.22%/°C
Temperature Coefficient of Isc	+0.04%/°C
NOCT	44 ±2°C

Warranty

15 year product workmanship warranty
30 year power warranty

Packing Configuration

31pcs/Pallet 17Pallets 40HQ 527 PCS