

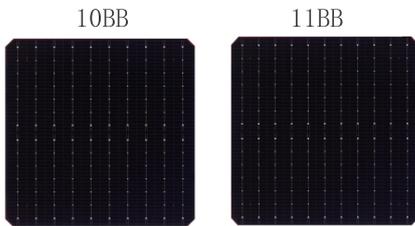
PERC Mono-crystalline 540-560 Watt



0~+3% POWER TOLERANCE

High efficiency PERC single glass solar module

Cell Busbar

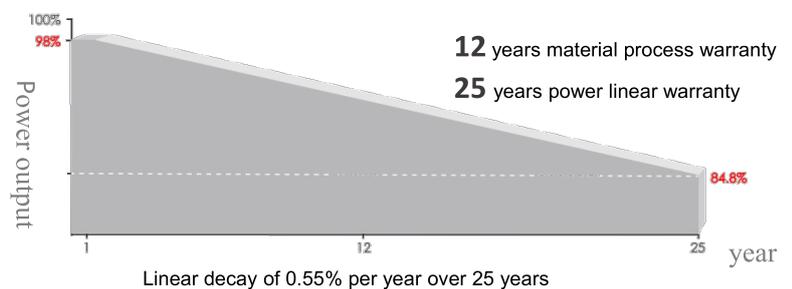


Module characteristics

 <p>Stronger properties Passes the wind load test of 2400Mpa and the snow load test of 5400Mpa</p>	 <p>Reduced Hot Spot Loss Reduce heat absorption and reduce heat loss attenuation</p>
 <p>PID resistance The attenuation probability of PID phenomenon is minimized through battery production technology optimization and material control</p>	 <p>Harsh environmental adaptation Third party certification passed high salt spray and high ammonia corrosion test</p>
 <p>Multiple grid and Half cell technique More light utilization and current collection capabilities, effectively improving product power output and reliability</p>	  

Long and reliable quality assurance

- IEC61215(2016), IEC61730(2016)
- ISO9001:2015: Quality management system
- ISO14001:2015: Environmental management system
- ISO45001:2018: Occupational health and safety management system



Electrical Parameters

Model Type	QH-540HT		QH-545HT		QH-550HT		QH-555HT		QH-560HT	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	540	408	545	412	550	416	555	419	560	423
Open Circuit Voltage (Voc)	49.38	46.43	49.81	46.55	50.03	46.68	50.51	46.82	50.84	47.12
Short Circuit Current (Isc)	13.67	11.09	13.69	11.13	13.72	11.17	13.74	11.21	13.76	11.23
Maximum Power Voltage (Vmp)	41.73	38.99	42.02	39.20	42.34	39.43	42.63	39.58	42.91	39.84
Maximum Power Current (Imp)	12.94	10.47	12.97	10.51	12.99	10.55	13.02	10.59	13.05	10.61
Module Efficiency - η_m (%)	20.8		21.1		21.3		21.5		21.7	
Operational Temperature	-40°C~+85°C									
Maximum System Voltage	1500VDC									
Maximum Series Fuse Rating	25A									
Power Tolerance	0~+3%									
Temperature Coefficient of Pmax	-0.380%/°C									
Temperature Coefficient of Voc	-0.289%/°C									
Temperature Coefficient of Isc	+0.055%/°C									
Nominal Operating Cell Temperature	45±2°C									
Safety Class	Class II									
Max Load (Front/back)	5400Mpa/2400Mpa									

STC: Irradiance 1000W/m²

Battery temperature 25°C

Atmospheric quality =1.5

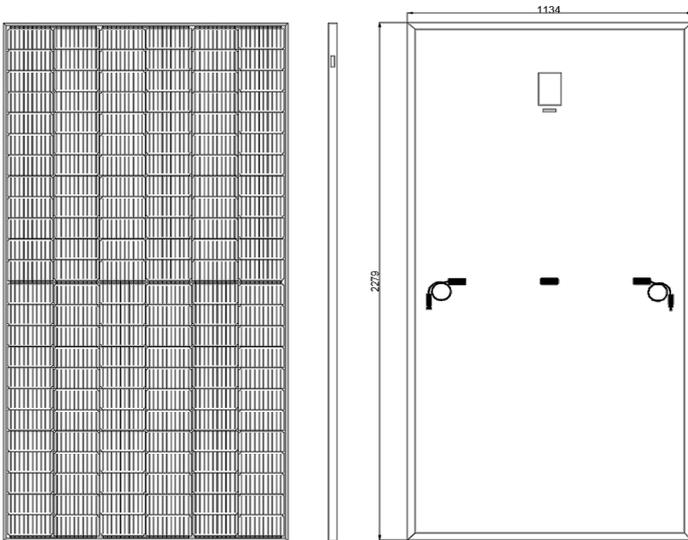
NOCT: Irradiance 800W/m²

Ambient temperature 25°C

Atmospheric quality =1.5

Wind speed 1m/S

Mechanical Diagrams

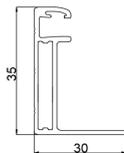


Length: ± 2mm

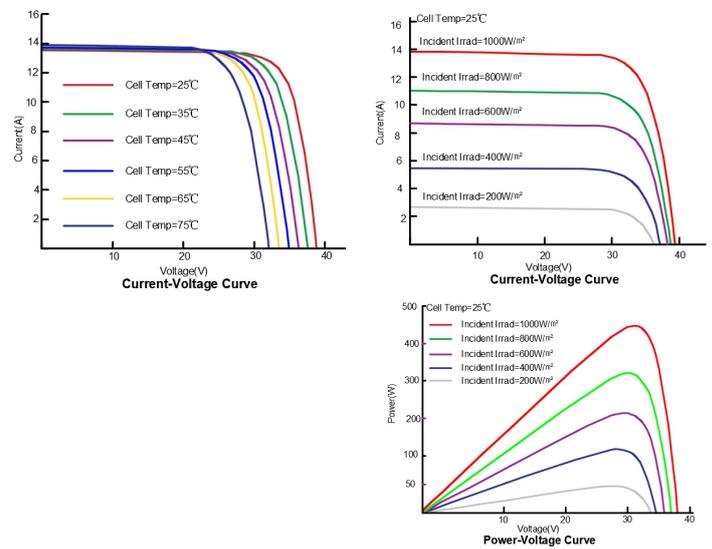
Width: ± 2mm

Thickness: ± 1mm

Hole pitch: ± 2mm



Curve figure



Specification

Cell type	PERC mono crystalline, 10BB or 11BB
Half-cell quantity	144 (6×22)
Dimension	2279(±2) × 1134 × 35mm
Weight	28kg±3%
Glass	3.2mm, Tempered glass
Frame	White Anodized Aluminum Alloy
Junction Box	IP68
Cable	300mm (can be customized)

Packing standard

31pcs/pallet, Each pallet size: 2314×1130×1245mm

40GP: 20 pallets/container, 620pcs/container