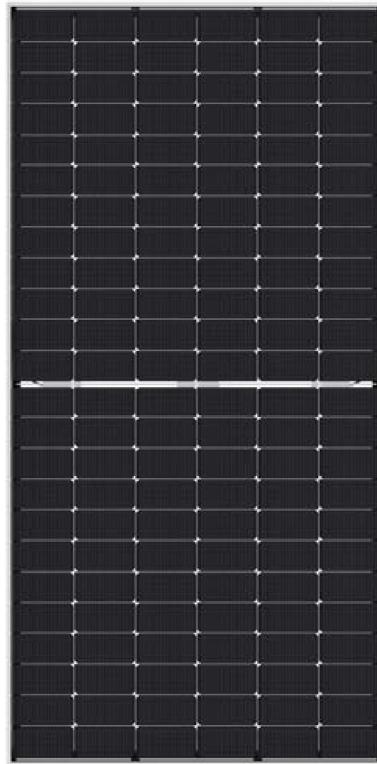


N type Mono-crystalline

545-570 Watt

0~+3% POWER TOLERANCE

High efficiency N - type Double glass solar module



Battery grid line

16BB



Module characteristics



Double power generation

For higher power output, backside power generation can be increased by up to 25%



Better attenuation

N-type, Components have better reliability and lower LID/LETID attenuation



PID resistance

The attenuation probability of PID phenomenon is minimized through battery production technology optimization and material control



Harsh environmental adaptation

Third party certification passed high salt spray and high ammonia corrosion test



Multiple grid and Half cell technique

More light utilization and current collection capabilities, effectively improving product power output and reliability



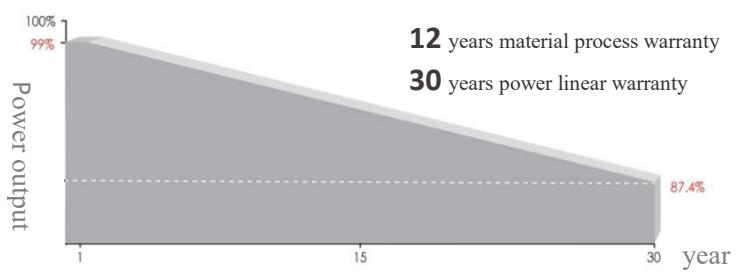
Long and reliable quality assurance

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality management system

ISO14001:2015: Environmental management system

ISO45001:2018: Occupational health and safety management system



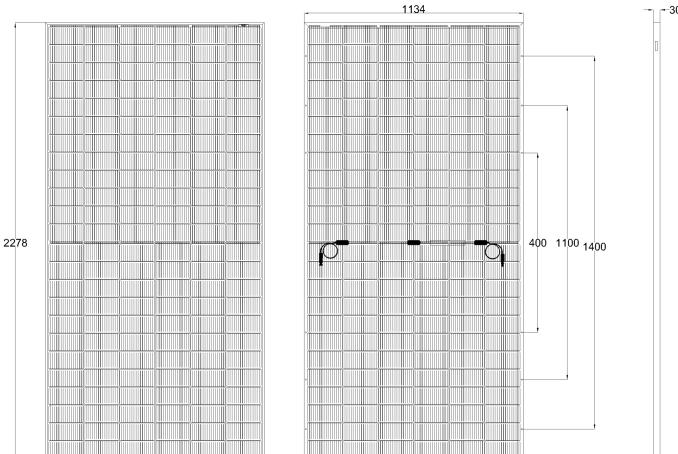
Electrical Parameters

Model Type	QN-DG545HN		QN-DG550HN		QN-DG555HN		QN-DG560HN		QN-DG565HN		QN-DG570HN											
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT										
Maximum Power (Pmax)	545	410	550	413	555	417	560	421	565	425	570	429										
Open Circuit Voltage (Voc)	50.08	47.58	50.21	47.70	50.34	47.82	50.47	47.94	50.60	48.06	50.74	48.20										
Short Circuit Current (Isc)	13.91	11.24	13.99	11.30	14.07	11.36	14.15	11.42	14.23	11.49	14.31	11.55										
MaximumPowerVoltag (VmP)	41.38	38.86	41.51	38.99	41.64	39.12	41.77	39.25	41.92	39.38	42.07	39.51										
MaximumPowerCurrent (ImP)	13.18	10.55	13.26	10.61	13.33	10.67	13.41	10.73	13.48	10.79	13.55	10.85										
ModuleEfficiency - ηm (%)	21.1		21.3		21.5		21.7		21.9		22.1											
Operational Temperature	-40°C ~ +85°C																					
Maximum System Voltage	1500VDC																					
Maximum Series Fuse Rating	25A																					
Power Tolerance	0 ~ +3%																					
Temperature Coefficient of Pmax	-0.310%/°C																					
Temperature Coefficient of Voc	-0.260%/°C																					
Temperature Coefficient of Isc	+0.046%/°C																					
Nominal Operating Cell Temperature	45 ± 2°C																					
Safety Class	Class II																					
Max Load (Front/back)	5400Mpa/2400Mpa																					
Double rate	75 ± 10%																					
STC: Irradiance 1000W/m²	Battery temperature 25°C	Atmospheric quality = 1.5																				
NOCT: Irradiance 800W/m²	Ambient emperature 25°C	Atmospheric quality = 1.5										Wind speed 1m/S										

Two-sided power gain (take 15% irradiation ratio on the back side as an example)

Maximum power	627Wp	633Wp	638Wp	644Wp	650Wp	656Wp
Irradiation ratio				15%		

Mechanical Diagrams

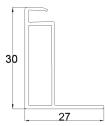


Length: ± 2mm

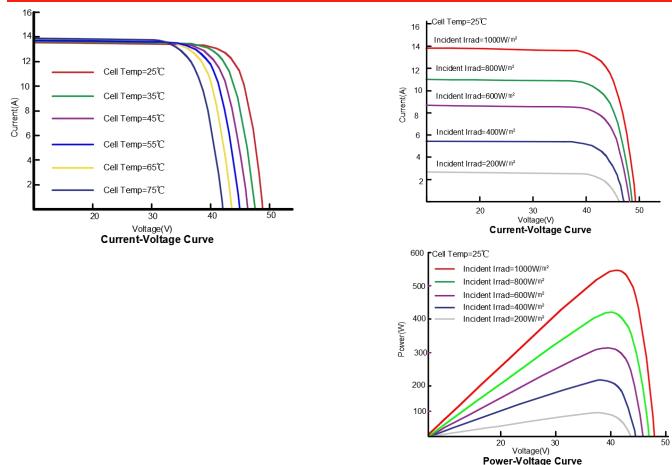
Width: ± 2mm

Thickness: ± 1mm

Hole pitch: ± 2mm



Curve figure



Specification

Cell type	N type mono crystalline 16BB
Half-cell quantity	144 (6×24)
Dimension	2278 (±2) × 1134×30
weight	32kg±3%
Front glass	2.0 mm,Coated toughened
Back glass	2.0mm,Transparent/grid optional
Frame	Slivery/black Anodized Aluminum Alloy
Junction Box	IP68
Cable	300mm (can be customized)

Packing standard

35pcs/pallet, Pallet size: 2333 × 1130 × 1245mm

40GP:20pallets/container, 700pcs/container.

The company reserves the right of final