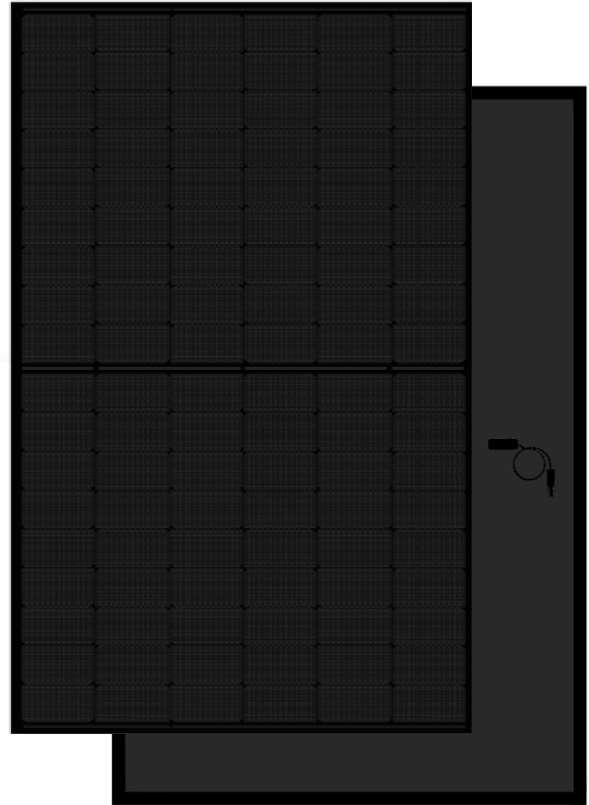


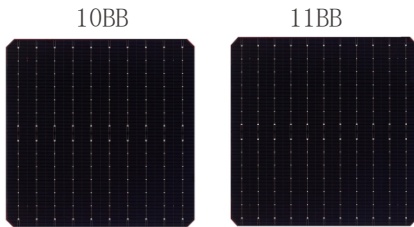
# PERC Mono-crystalline 390-410 Watt











0~+3% POWER TOLERANCE

High efficiency PERC single glass full black solar module

### Cell Busbar

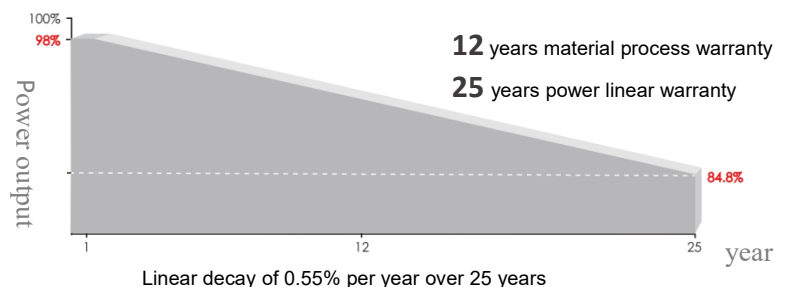


## Module characteristics

 <p><b>Stronger properties</b> Passes the wind load test of 2400Mpa and the snow load test of 5400Mpa</p>	 <p><b>Better temperature coefficient</b> By optimizing the circuit design, better temperature coefficient and hot spot resistance are obtained</p>
 <p><b>PID resistance</b> The attenuation probability of PID phenomenon is minimized through battery production technology optimization and material control</p>	 <p><b>Harsh environmental adaptation</b> Third party certification passed high salt spray and high ammonia corrosion test</p>
 <p><b>Multiple grid and Half cell technique</b> 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	QN-390HT-I		QN-395HT-I		QN-400HT-I		QN-405HT-I		QN-410HT-I	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	390	294.9	395	298.6	400	302.3	405	306.0	410	309.6
Open Circuit Voltage (Voc)	36.7	34.4	36.9	34.6	37.1	34.8	37.3	35.0	37.5	35.2
Short Circuit Current (Isc)	13.56	10.93	13.65	10.98	13.73	11.04	13.81	11.10	13.88	11.16
Maximum Power Voltage (Vmp)	30.8	28.4	31.0	28.6	31.2	28.8	31.4	29.0	31.6	29.2
Maximum Power Current (Imp)	12.67	10.38	12.75	10.44	12.83	10.50	12.90	10.56	12.98	10.62
Module Efficiency - $\eta_m$ (%)	19.9		20.2		20.5		20.7		21.0	
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/m<sup>2</sup>

Battery temperature 25°C

Atmospheric quality =1.5

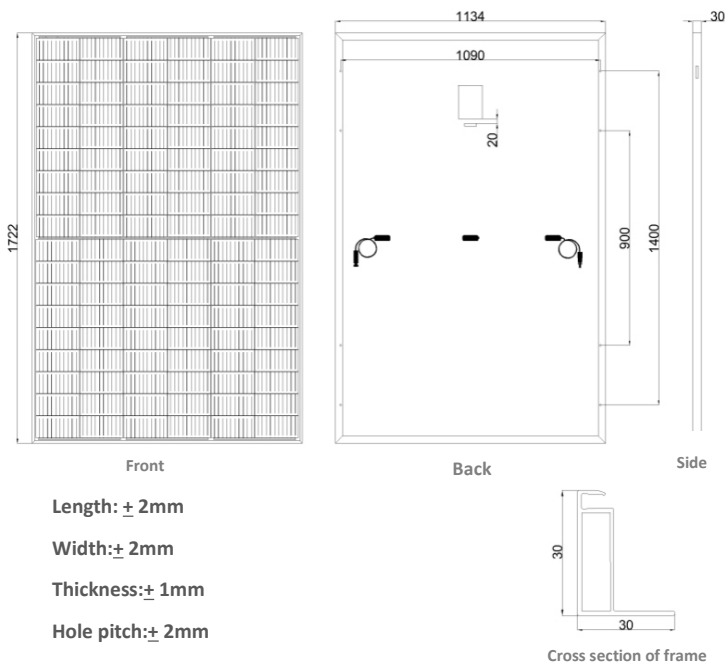
NOCT: Irradiance 800W/m<sup>2</sup>

Ambient temperature 25°C

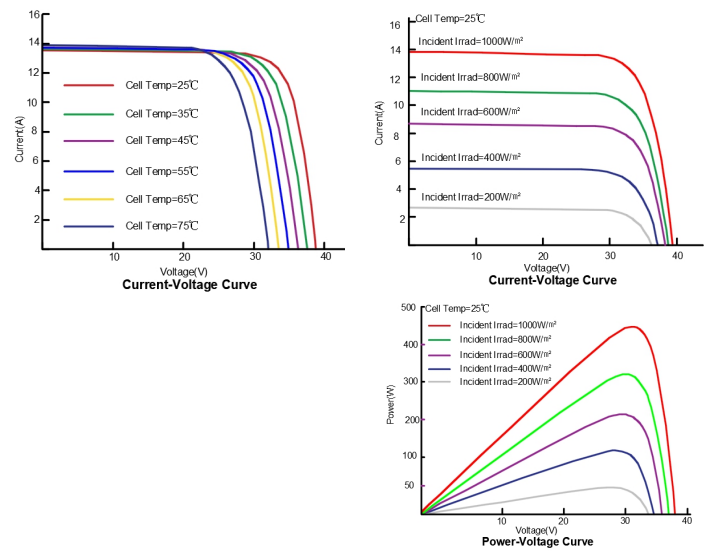
Atmospheric quality =1.5

Wind speed 1m/S

## Mechanical Diagrams



## Curve figure



## Specification

Cell type	PERC mono crystalline, 10BB or 11BB
Half-cell quantity	108 (6×18)
Dimension	1722×1134×30
Weight	21kg±3%
Glass	3.2mm ,Coated±toughened
Backsheet	Black
Frame	Black Anodized Aluminum Alloy
Junction Box	IP68
Cable	300mm (can be customized)

## Packing standard

36pcs/pallet, Each pallet size: 1760×1130×1245mm

40GP:26 pallets/container, 936pcs/container

The company reserves the right of final interpretation