

475-495w

Quasar Module Series

N-BC HIGH EFFICIENCY 108-0BB-B-B

Bloomberg
NEW ENERGY FINANCE

Tier1



Product Characteristics

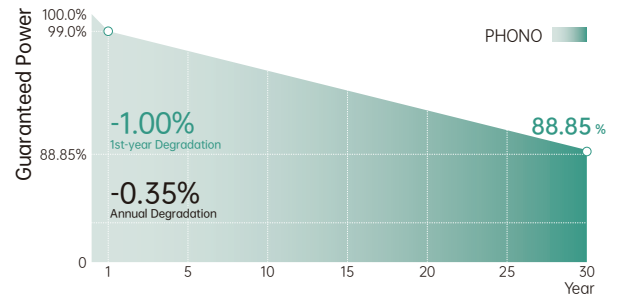
- All back contact design enhances light absorption
- Aesthetic design in true black
- Optimized cell size brings higher power and lower transportation costs

Higher Quality Reliability

- Competitive high-temperature performance with ameliorated temperature coefficient
- Optimize power generation performance under partial shading conditions

Wider Application Conditions

- Universal solution for residential and C&I
- Easy for integration, designed for compatibility with existing mainstream inverters and diverse mounting systems



25-year
Product Warranty

30-year
Linear Performance Warranty

MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730,

ISO 9001
2015 / Quality management system

ISO 14001
2015 / Standards for environmental management system

ISO 45001
2018 / International standards for occupational health & safety



Electrical Typical Values

Model	PS475L8H-18/VBH		PS480L8H-18/VBH		PS485L8H-18/VBH		PS490L8H-18/VBH		PS495L8H-18/VBH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)	475	362	480	365	485	369	490	373	495	377
Rated Current (Imp)	14.35	11.51	14.45	11.58	14.55	11.67	14.65	11.75	14.75	11.83
Rated Voltage (Vmpp)	33.11	31.46	33.22	31.54	33.34	31.62	33.45	31.75	33.56	31.87
Short Circuit Current (Isc)	15.05	12.10	15.15	12.18	15.25	12.26	15.35	12.34	15.45	12.42
Open Circuit Voltage (Voc)	40.11	38.02	40.26	38.10	40.40	38.24	40.56	38.41	40.72	38.57
Module Efficiency (%)	23.27		23.52		23.76		24.01		24.25	

STC (Standard Testing Conditions): Irradiance 1000W/m² AM 1.5, Cell Temperature 25°C

NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

Mechanical Characteristics

Cell Type	Monocrystalline
Dimension (L × W × H)	Length: 1800mm (70.87 inch)
	Width: 1134mm (44.65 inch)
	Height: 30mm (1.18 inch)
Weight	21.6kg (47.62 lbs)
Glass	3.2mm toughened glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm ² (IEC), (+): 400mm,(-): 200mm or Customized Length
Junction Box	IP 68 Rated

Temperature Ratings

Voltage Temperature Coefficient	-0.20%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.26%/°C
Power Tolerance	0~+3%
NOCT	45±2°C

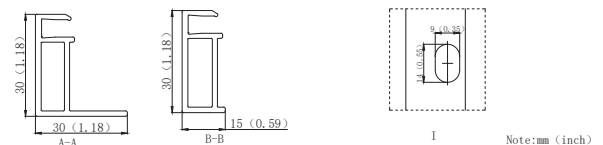
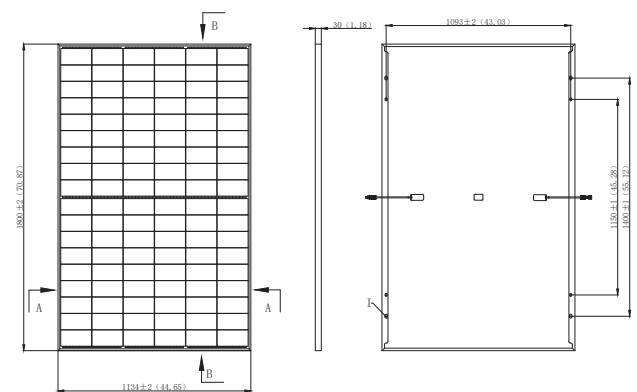
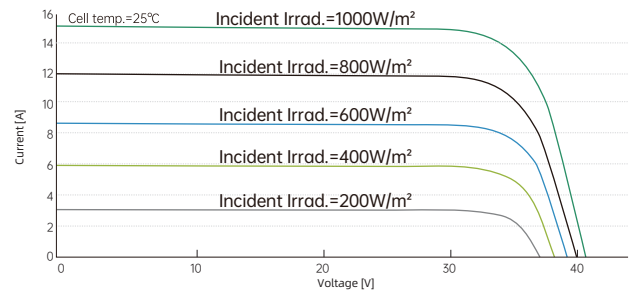
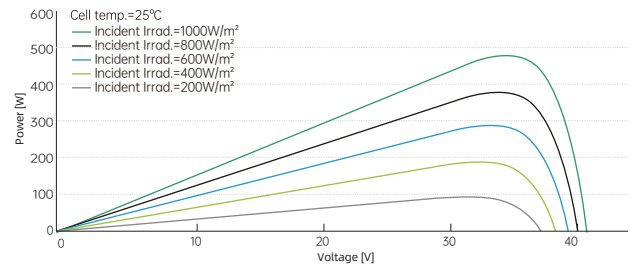
Absolute Maximum Rating

Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	25A
PV Module Classification	II
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1500V

Packing Configuration

Container	40' HQ
Pcs/Container	864
Pcs/Pallet	36
Pallets/Container	24

Electrical Characteristics



Note:mm (Inch)