

480-500w

Quasar Module Series

N-BC HIGH EFFICIENCY 108-0BB-W-WG

Bloomberg
NEW ENERGY FINANCE

Tier1



Product Characteristics

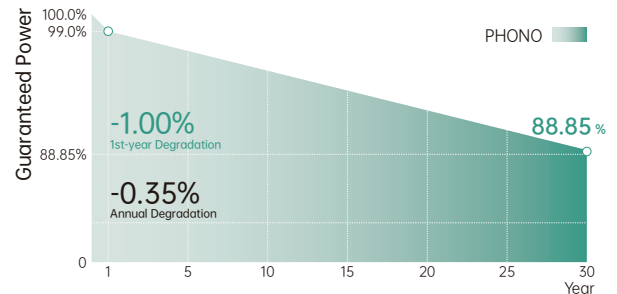
- All back contact design enhances light absorption
- Aesthetic design in true black
- Optimized cell size brings higher power and lower transportation costs

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



15-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 | PS480L7GFH-18/VBH | | PS485L7GFH-18/VBH | | PS490L7GFH-18/VBH | | PS495L7GFH-18/VBH | | PS500L7GFH-18/VBH | |
|-----------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
| Testing Condition | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Rated Power (Pmpp) | 480 | 365 | 485 | 369 | 490 | 373 | 495 | 377 | 500 | 387 |
| Rated Current (Imp) | 14.41 | 11.55 | 14.51 | 11.63 | 14.61 | 11.71 | 14.71 | 11.79 | 14.81 | 11.87 |
| Rated Voltage (Vmpp) | 33.32 | 31.60 | 33.43 | 31.52 | 33.54 | 31.85 | 33.66 | 31.98 | 33.77 | 32.10 |
| Short Circuit Current (Isc) | 15.11 | 12.14 | 15.21 | 12.22 | 15.31 | 12.30 | 15.41 | 12.38 | 15.51 | 12.46 |
| Open Circuit Voltage (Voc) | 40.27 | 38.10 | 40.42 | 38.27 | 40.56 | 38.34 | 40.72 | 38.60 | 40.86 | 38.75 |
| Module Efficiency (%) | 23.52 | | 23.76 | | 24.01 | | 24.25 | | 24.50 | |

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 | N Type BC |
| Dimension (L × W × H) | Length: 1800mm (70.87 inch) Width: 1134mm (44.65 inch) Height: 30mm (1.18 inch) |
| Weight | 25kg (55.12 lbs) |
| Glass | 2.0mm/2.0mm Heat Strengthened 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 |
| Bifaciality | 70±5% |

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 | 30A |
| 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

