



# 645-665W

## Quasar Module Series

N-BC HIGH EFFICIENCY 144-0BB-W-WG

**Bloomberg**  
NEW ENERGY FINANCE

**Tier1**



### Product Characteristics

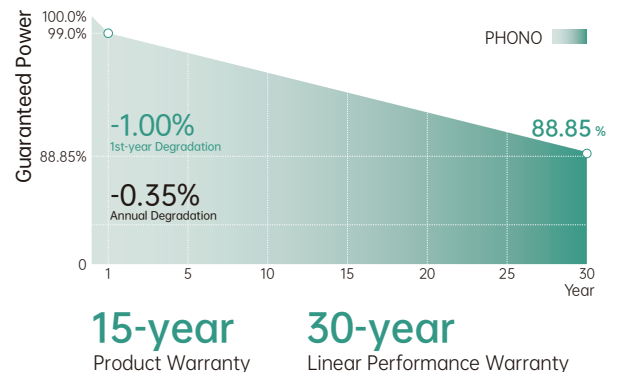
- All back contact design enhances light absorption
- Optimized cell size brings higher power and lower transportation costs

### 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



### 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	PS645L7GFH-24/TBH		PS650L7GFH-24/TBH		PS655L7GFH-24/TBH		PS660L7GFH-24/TBH		PS665L7GFH-24/TBH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)	645	491	650	495	655	499	660	502	665	506
Rated Current (Imp)	14.39	11.53	14.47	11.59	14.55	11.66	14.63	11.71	14.70	11.78
Rated Voltage (Vmpp)	44.83	42.58	44.93	42.71	45.02	42.80	45.12	42.87	45.24	42.95
Short Circuit Current (Isc)	15.04	12.08	15.12	12.14	15.20	12.20	15.28	12.25	15.33	12.31
Open Circuit Voltage (Voc)	54.22	51.37	54.35	51.54	54.48	51.71	54.61	51.80	54.84	51.96
Module Efficiency (%)	23.88		24.06		24.25		24.43		24.62	

STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, AM 1.5, Cell Temperature 25°C

NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

## Mechanical Characteristics

Cell Type	N Type BC
Dimension (L × W × H)	Length: 2382mm (93.78 inch) Width: 1134mm (44.65 inch) Height: 30mm (1.18 inch)
Weight	33.5kg (73.85 lbs)
Glass	2.0mm/2.0mm Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm <sup>2</sup> (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	720
Pcs/Pallet	36
Pallets/Container	20

## Electrical Characteristics

