



565-585w

Draco Module Series

N-TOPCON HIGH EFFICIENCY MONO BM6-16B-G

Bloomberg
NEW ENERGY FINANCE

Tier1



Extraordinary Product Performance

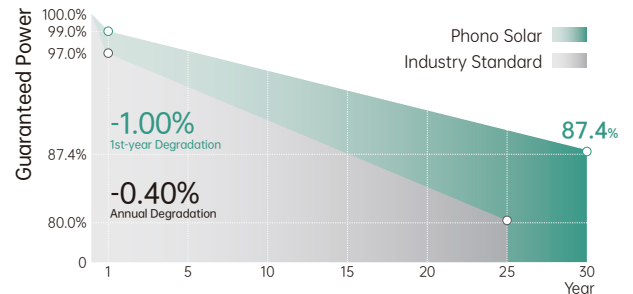
- Up to 30% additional power yield benefited from bifacial technology and over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated temperature coefficient
- Better weak illumination response, higher power generation with N-TOPCon technology

Higher Quality Reliability

- Zero Light Induced Degradation(LID), can increase power generation
- Industry-leading cell processing technology and dual glass contributes to excellent anti-PID characteristic
- First-year degradation is less than 1.0%, with linear degradation of 0.4% per year for 30 years

Wider Application Conditions

- BIPV, vertical installation, snowfield, high-humid area, windy and dusty area
- Safer and easier handling during transportation and installation



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 | 1000V | PS565M8GF-24/TNH | | PS570M8GF-24/TNH | | PS575M8GF-24/TNH | | PS580M8GF-24/TNH | | PS585M8GF-24/TNH | |
|-----------------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
| | 1500V | PS565M8GFH-24/TNH | | PS570M8GFH-24/TNH | | PS575M8GFH-24/TNH | | PS580M8GFH-24/TNH | | PS585M8GFH-24/TNH | |
| Testing Condition | | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Rated Power (Pmpp) | | 565 | 433 | 570 | 436 | 575 | 440 | 580 | 444 | 585 | 448 |
| Rated Current (Imp) | | 13.24 | 10.66 | 13.30 | 10.71 | 13.36 | 10.76 | 13.42 | 10.81 | 13.48 | 10.86 |
| Rated Voltage (Vmpp) | | 42.68 | 40.57 | 42.86 | 40.74 | 43.04 | 40.92 | 43.22 | 41.09 | 43.40 | 41.26 |
| Short Circuit Current (Isc) | | 13.89 | 11.19 | 13.95 | 11.24 | 14.04 | 11.31 | 14.11 | 11.36 | 14.18 | 11.42 |
| Open Circuit Voltage (Voc) | | 51.49 | 49.30 | 51.73 | 49.53 | 51.97 | 49.98 | 52.20 | 50.21 | 52.44 | 50.44 |
| Module Efficiency (%) | | 21.87 | | 22.07 | | 22.26 | | 22.45 | | 22.65 | |

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

BSTC

| | | | | | |
|----------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax) | 620 | 625 | 630 | 635 | 640 |
| Optimum Operating Current (Imp) | 14.53 | 14.58 | 14.64 | 14.69 | 14.75 |
| Optimum Operating Voltage (Vmpp) | 42.68 | 42.86 | 43.04 | 43.22 | 43.40 |
| Short Circuit Current (Isc) | 15.24 | 15.29 | 15.28 | 15.33 | 15.38 |
| Open Circuit Voltage (Voc) | 51.49 | 51.73 | 52.20 | 52.44 | 52.68 |

BSTC:Front Side Irradiation 1000W/m², Back Side Reflection Irradiation 135W/m² , AM 1.5, Ambient Temperature 25°C

Mechanical Characteristics

| | |
|-----------------------------|---|
| Cell Type | N Type Monocrystalline |
| Dimension (L × W × H) | Length: 2278mm (89.69 inch) |
| | Width: 1134mm (44.65 inch) |
| | Height: 30mm (1.18 inch) |
| Weight | 32.0kg (70.55 lbs) |
| Glass | 2.0mm/2.0mm toughened glass |
| Frame | Anodized Aluminium Alloy |
| Cable (Including Connector) | 4mm ² (IEC), (+): 450mm,(-): 250mm or Customized Length |
| Junction Box | IP 68 Rated |

Temperature Ratings

| | |
|---------------------------------|-----------|
| Voltage Temperature Coefficient | -0.25%/°C |
| Current Temperature Coefficient | +0.04%/°C |
| Power Temperature Coefficient | -0.29%/°C |
| Power Tolerance | 0~+3% |
| NOCT | 42±2°C |
| Bifaciality | 80±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 1000V/1500V |

Packing Configuration

| | | |
|-------------------|--------|--------|
| Container | 20' GP | 40' HQ |
| Pieces/Container | 180 | 720 |
| Pcs/Pallet | 36 | 36 |
| Pallets/Container | 5 | 20 |

Electrical Characteristics

