



575-595w

Draco Module Series

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

Bloomberg
NEW ENERGY FINANCE

Tier1



Extraordinary Product Performance

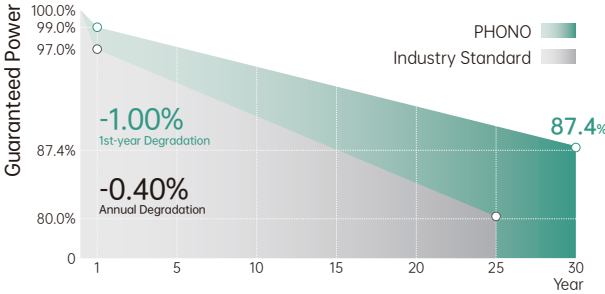
- Up to 30% additional power yield benefited from bifacial technology and up over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated temperature coefficient
- Better weak illumination response, higher power generation with N-TOPCon technology

Higher Quality Reliability

- N-type with lower LID and LeTID
- 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 | PS575M8GF-24/TNH | | PS580M8GF-24/TNH | | PS585M8GF-24/TNH | | PS590M8GF-24/TNH | | PS595M8GF-24/TNH | |
|-----------------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
| | 1500V | PS575M8GFH-24/TNH | | PS580M8GFH-24/TNH | | PS585M8GFH-24/TNH | | PS590M8GFH-24/TNH | | PS595M8GFH-24/TNH | |
| Testing Condition | | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Rated Power (Pmpp) | | 575 | 440 | 580 | 444 | 585 | 448 | 590 | 452 | 595 | 456 |
| Rated Current (Imp) | | 13.36 | 10.76 | 13.42 | 10.81 | 13.48 | 10.86 | 13.54 | 10.91 | 13.60 | 10.95 |
| Rated Voltage (Vmpp) | | 43.04 | 40.92 | 43.22 | 41.09 | 43.40 | 41.26 | 43.55 | 41.43 | 43.75 | 41.59 |
| Short Circuit Current (Isc) | | 14.04 | 11.31 | 14.11 | 11.36 | 14.18 | 11.42 | 14.25 | 11.48 | 14.32 | 11.53 |
| Open Circuit Voltage (Voc) | | 51.97 | 49.76 | 52.20 | 49.98 | 52.44 | 50.21 | 52.68 | 50.44 | 52.92 | 50.67 |
| Module Efficiency (%) | | 22.26 | | 22.45 | | 22.65 | | 22.84 | | 23.03 | |

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

BNPI**

| | | | | | |
|----------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax) | 630 | 635 | 640 | 645 | 650 |
| Optimum Operating Current (Imp) | 14.64 | 14.69 | 14.75 | 14.80 | 14.86 |
| Optimum Operating Voltage (Vmpp) | 43.04 | 43.22 | 43.40 | 43.58 | 43.75 |
| Short Circuit Current (Isc) | 15.34 | 15.40 | 15.45 | 15.50 | 15.55 |
| Open Circuit Voltage (Voc) | 51.97 | 52.20 | 52.44 | 52.68 | 52.92 |

**BNPI: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

