

PHONO

570-590w

Draco Module Series

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

Bloomberg
NEW ENERGY FINANCE

Tier1



Extraordinary Product Performance

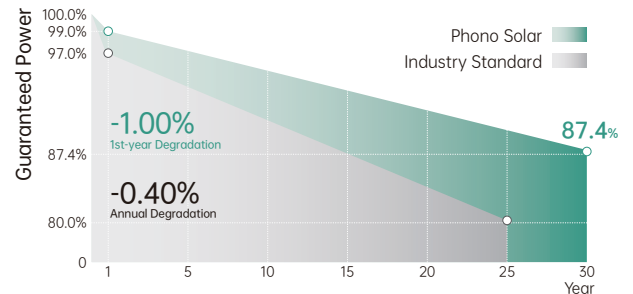
- Up to 30% additional power yield benefited from bifacial technology and up over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated temperature coefficient
- Better weak illumination response, higher power generation with N-type technology

Higher Quality Reliability

- Zero Light Induced Degradation(LID), can increase power generation
- Encapsulation with POE 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

Shorter Payback Time

- 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, UL 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 | PS570M8GF-24/TNH | | PS575M8GF-24/TNH | | PS580M8GF-24/TNH | | PS585M8GF-24/TNH | | PS590M8GF-24/TNH | |
|-----------------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
| | 1500V | PS570M8GFH-24/TNH | | PS575M8GFH-24/TNH | | PS580M8GFH-24/TNH | | PS585M8GFH-24/TNH | | PS590M8GFH-24/TNH | |
| Testing Condition | | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Rated Power (Pmpp) | | 570 | 433 | 575 | 436 | 580 | 440 | 585 | 444 | 590 | 448 |
| Rated Current (Imp) | | 13.30 | 10.72 | 13.36 | 10.77 | 13.42 | 10.82 | 13.48 | 10.86 | 13.54 | 10.91 |
| Rated Voltage (Vmpp) | | 42.86 | 40.36 | 43.04 | 40.53 | 43.22 | 40.70 | 43.40 | 40.87 | 43.58 | 41.03 |
| Short Circuit Current (Isc) | | 13.95 | 11.24 | 14.04 | 11.32 | 14.11 | 11.37 | 14.18 | 11.43 | 14.25 | 11.49 |
| Open Circuit Voltage (Voc) | | 51.73 | 49.56 | 51.97 | 49.79 | 52.20 | 50.01 | 52.44 | 50.24 | 52.68 | 50.47 |
| Module Efficiency (%) | | 22.07 | | 22.26 | | 22.45 | | 22.65 | | 22.84 | |

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

Electrical Characteristics With Different Power Bin

| | | | | | | |
|-----|-----------------------|-------|-------|-------|-------|-------|
| 5% | Maximum Power (W) | 593 | 598 | 603 | 608 | 614 |
| | Module Efficiency (%) | 22.95 | 23.15 | 23.55 | 23.55 | 23.75 |
| 15% | Maximum Power (W) | 638 | 644 | 650 | 655 | 661 |
| | Module Efficiency (%) | 24.71 | 24.93 | 25.15 | 25.36 | 25.58 |
| 25% | Maximum Power (W) | 684 | 690 | 696 | 702 | 708 |
| | Module Efficiency (%) | 26.48 | 26.71 | 26.94 | 27.18 | 27.41 |

Mechanical Characteristics

| | |
|-----------------------------|---|
| Cell Type | Monocrystalline 182mm x 91mm |
| Dimension (L x W x H) | Length: 2278mm (89.69 inch) |
| | Width: 1134mm (44.65 inch) |
| | Height: 30mm (1.18 inch) |
| Weight | 32.5kg (71.65 lbs) |
| Glass | 2.0mm/2.0mm toughened glass |
| Frame | Anodized Aluminium Alloy |
| Cable (Including Connector) | 4mm ² (IEC), (+): 450mm,(-): 250mm or Customized Length |

Temperature Ratings

| | |
|---------------------------------|------------|
| Voltage Temperature Coefficient | -0.25%/°C |
| Current Temperature Coefficient | +0.045%/°C |
| Power Temperature Coefficient | -0.30%/°C |
| Tolerance | 0~+5w |
| NOCT | 42±2°C |
| Bifaciality | 80±5% |

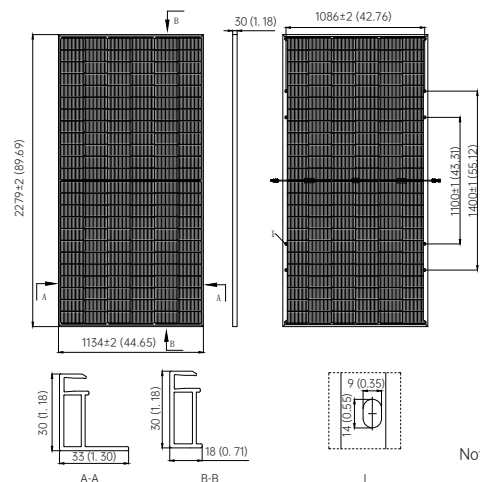
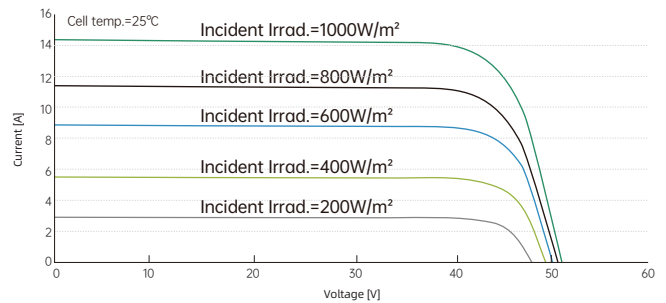
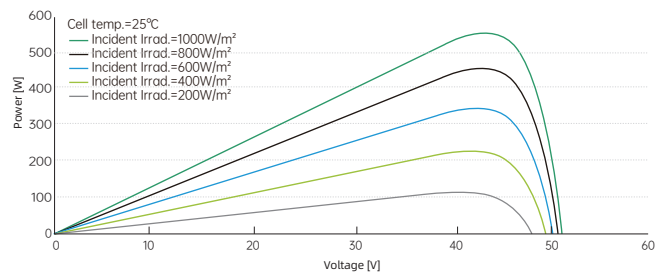
Absolute Maximum Rating

| | |
|-----------------------------------|--------------------|
| 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 |
| Module Fire Performance(UL 61730) | Type 29 |
| Maximum System Voltage | DC 1000V/1500V |

Packing Configuration

| | | |
|------------------|--------|--------|
| Container | 20' GP | 40' HQ |
| Pieces/Container | 180 | 720 |

Electrical Characteristics



Note:mm (inch)