

465-485w

Draco Module Series

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

Bloomberg
NEW ENERGY FINANCE

Tier1



Aesthetic Design in All Black

Extraordinary Product Performance

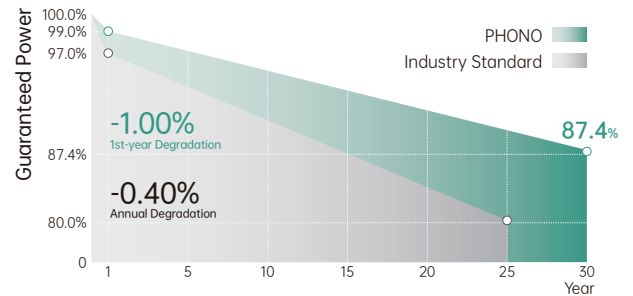
- Up to 30% additional power yield benefited from bifacial technology and over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated temperature coefficient
- Better weak illumination response, higher power generation with N-TOPCon technology

High 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 year

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

*Product warranty can be extended to 25 years for a fee by contacting your local sales representative

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	PS465M8GF-20/UNH		PS470M8GF-20/UNH		PS475M8GF-20/UNH		PS480M8GF-20/UNH		PS485M8GF-20/UNH	
	1500V	PS465M8GFH-20/UNH		PS470M8GFH-20/UNH		PS475M8GFH-20/UNH		PS480M8GFH-20/UNH		PS485M8GFH-20/UNH	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)		465	356	470	360	475	364	480	368	485	371
Rated Current (Imp)		13.18	10.62	13.24	10.66	13.30	10.71	13.36	10.76	13.42	10.81
Rated Voltage (Vmpp)		35.29	33.54	35.50	33.75	35.72	33.95	35.93	34.16	36.15	34.36
Short Circuit Current (Isc)		13.83	11.14	13.89	11.19	13.95	11.24	14.04	11.31	14.11	11.36
Open Circuit Voltage (Voc)		42.57	40.76	42.83	41.01	43.11	41.28	43.38	41.54	43.66	41.80
Module Efficiency (%)		21.48		21.71		21.94		22.17		22.40	

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)		510		515		520		525		530
Optimum Operating Current (Imp)		14.45		14.51		14.56		14.61		14.66
Optimum Operating Voltage (Vmpp)		35.29		35.50		35.72		35.93		36.15
Short Circuit Current (Isc)		15.16		15.22		15.27		15.32		15.37
Open Circuit Voltage (Voc)		42.57		42.83		43.11		43.38		43.66

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: 1909mm (75.16 inch) Width: 1134mm (44.65 inch) Height: 30mm (1.18 inch)
Weight	27.0kg (59.52 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
Tolerance	0~+3%
NOCT	42±2°C
Bifaciality	80±5%

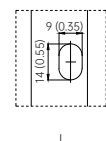
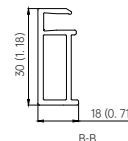
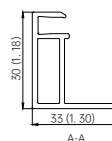
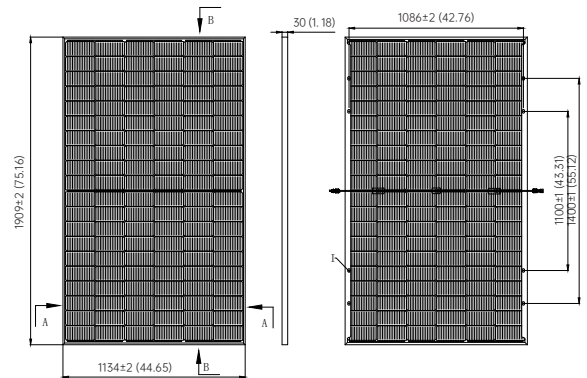
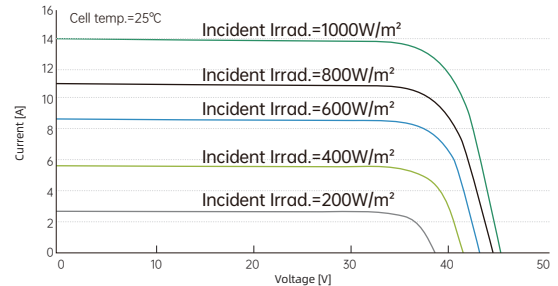
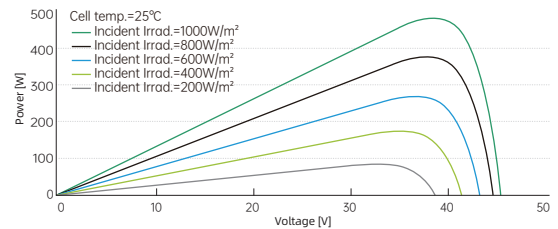
Absolute Maximum Rating

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 (IEC 61730)	C
Maximum System Voltage	DC 1000V/1500V

Packing Configuration

Container	20' GP	40' HQ
Pieces/Container	180	864
Pcs/Pallet	36	36
Pallets/Container	5	24

Electrical Characteristics



Note:mm (inch)