



# 570-590w

## Draco Module Series

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

**Bloomberg**  
NEW ENERGY FINANCE

**Tier1**



### Extraordinary Product Performance

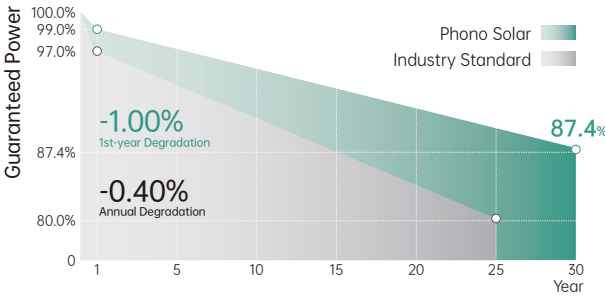
- Up to 30% additional power yield benefited from bifacial technology and up over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated temperature coefficient
- Better weak illumination response, higher power generation with N-type technology

### 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 (Vmp)		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/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

## 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 <sup>2</sup> (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%

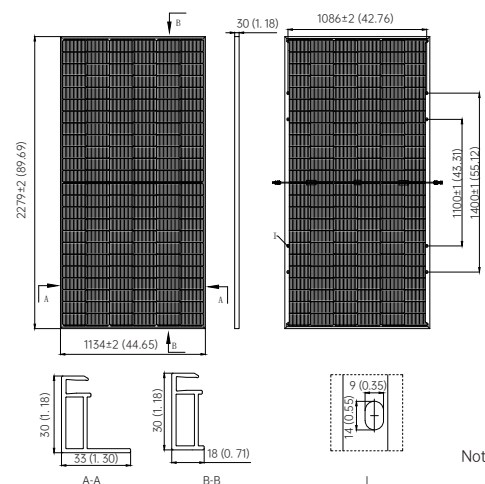
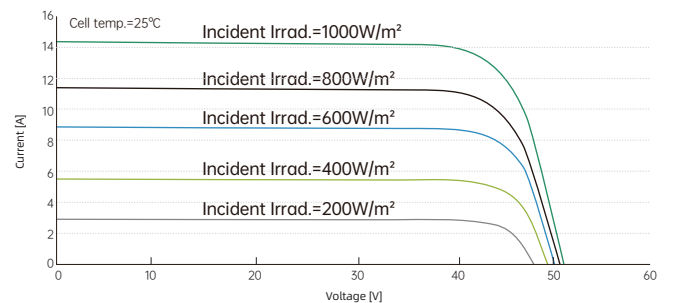
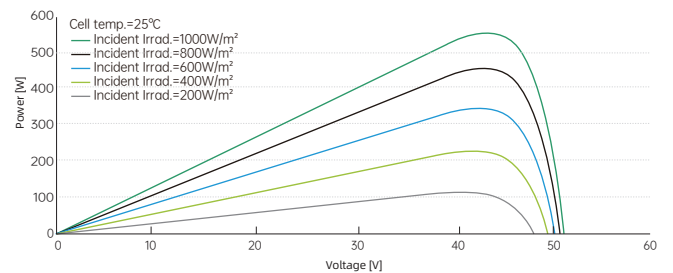
## Absolute Maximum Rating

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)