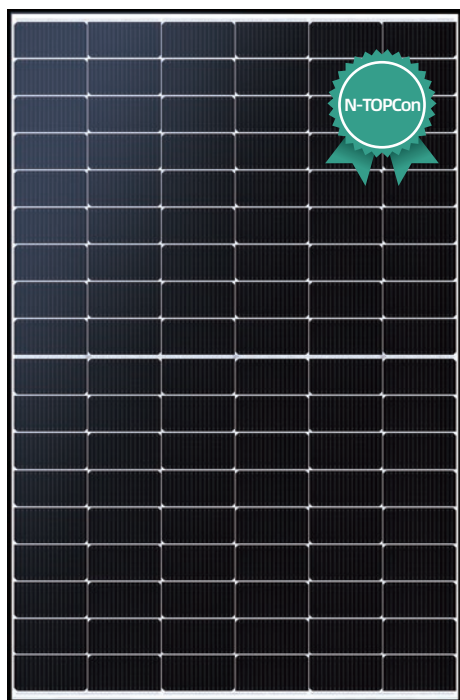




420-440w

Draco Module Series

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

Bloomberg
NEW ENERGY FINANCE

Tier1



Light Weight Makes It Easier to Transport and Install

Extraordinary Product Performance

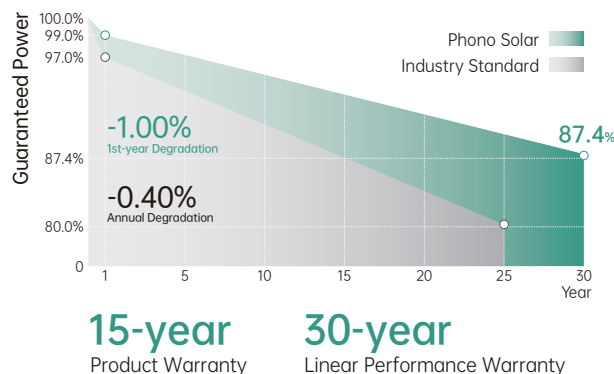
- Up to 30% additional power yield benefited from bifacial technology and over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated temperature coefficient
- Better weak illumination response, higher power generation with N-TOPCon technology

High Quality Reliability

- 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



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	PS420M8GF-18/VNH		PS425M8GF-18/VNH		PS430M8GF-18/VNH		PS435M8GF-18/VNH		PS440M8GF-18/VNH	
	1500V	PS420M8GFH-18/VNH		PS425M8GFH-18/VNH		PS430M8GFH-18/VNH		PS435M8GFH-18/VNH		PS440M8GFH-18/VNH	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P _{mp})		420	322	425	325	430	329	435	333	440	337
Rated Current (I _{mp})		13.18	10.62	13.24	10.66	13.30	10.71	13.36	10.76	13.42	10.81
Rated Voltage (V _{mp})		31.87	30.30	32.10	30.52	32.34	30.74	32.56	30.95	32.79	31.17
Short Circuit Current (I _{sc})		13.83	11.14	13.89	11.19	13.95	11.24	14.04	11.31	14.11	11.36
Open Circuit Voltage (V _{oc})		38.44	36.81	38.73	37.08	39.03	37.37	39.32	37.65	39.61	37.93
Module Efficiency (%)		21.51		21.76		22.02		22.28		22.53	

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 (P _{max})	460	465	470	475	480
Optimum Operating Current (I _{mp})	14.43	14.49	14.53	14.59	14.64
Optimum Operating Voltage (V _{mp})	31.87	32.10	32.34	32.56	32.79
Short Circuit Current (I _{sc})	15.15	15.20	15.24	15.29	15.34
Open Circuit Voltage (V _{oc})	38.44	38.73	39.03	39.32	39.61

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: 1722mm (67.80 inch) Width: 1134mm (44.65 inch) Height: 30mm (1.18 inch)
Weight	21.0kg (46.30 lbs)
Glass	1.6mm/1.6mm 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	216	936
Pcs/Pallet	36	36
Pallets/Container	6	26

Electrical Characteristics

