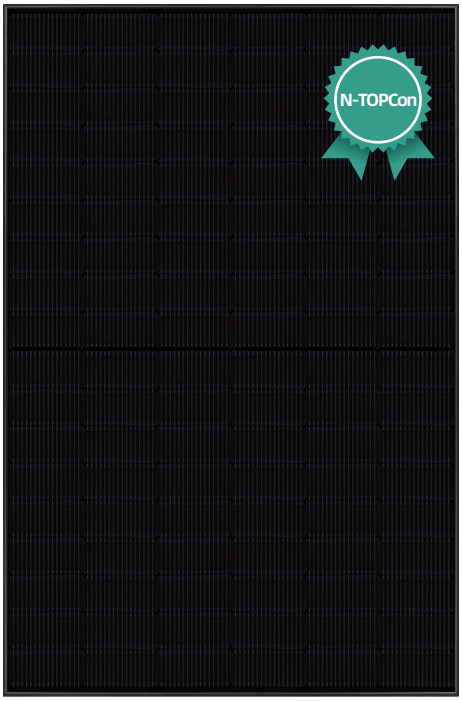


PHONO

420-440w

Draco Module Series

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

Bloomberg NEW ENERGY FINANCE Tier1 TOP PERFORMER 2023 PVEL kiwa PV MODULE RELIABILITY SCORECARD

Aesthetic Design in All Black

Extraordinary Product Performance

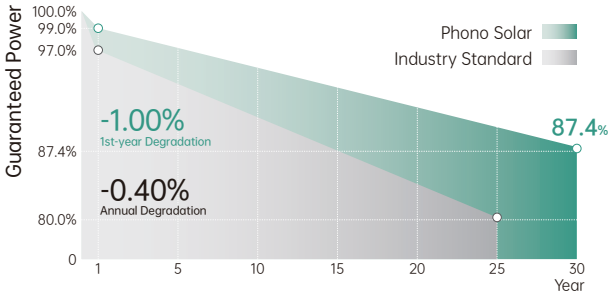
- Up to 30% additional power yield benefited from bifacial technology and up over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated temperature coefficient
- Better weak illumination response, higher power generation with N-TOPCon technology

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



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	PS420M8GF-18/VNHB		PS425M8GF-18/VNHB		PS430M8GF-18/VNHB		PS435M8GF-18/VNHB		PS440M8GF-18/VNHB	
	1500V	PS420M8GFH-18/VNHB		PS425M8GFH-18/VNHB		PS430M8GFH-18/VNHB		PS435M8GFH-18/VNHB		PS440M8GFH-18/VNHB	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)		420	322	425	325	430	329	435	333	440	337
Rated Current (Impp)		13.18	10.62	13.24	10.66	13.30	10.71	13.36	10.76	13.42	10.81
Rated Voltage (Vmpp)		31.87	30.30	32.10	30.52	32.34	30.74	32.56	30.95	32.79	31.17
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)		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 (Pmax)	460	465	470	475	480
Optimum Operating Current (Impp)	14.43	14.49	14.53	14.59	14.64
Optimum Operating Voltage (Vmpp)	31.87	32.10	32.34	32.56	32.79
Short Circuit Current (Isc)	15.15	15.20	15.24	15.29	15.34
Open Circuit Voltage (Voc)	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	24.0kg (52.91 lbs)
Glass	2.0mm/2.0mm toughened glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	12AWG(UL)/4mm²(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%

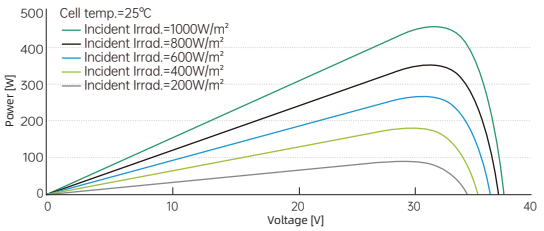
Absolute Maximum Rating

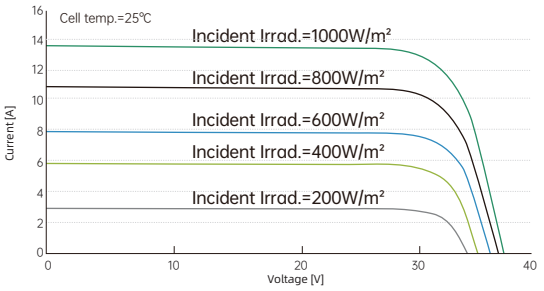
Operating Temperature	From -40 to + 85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	30A
PV Module Classification	II
Fire Rating (UL61730)	Type29
Maximum System Voltage	DC 1000V/1500V

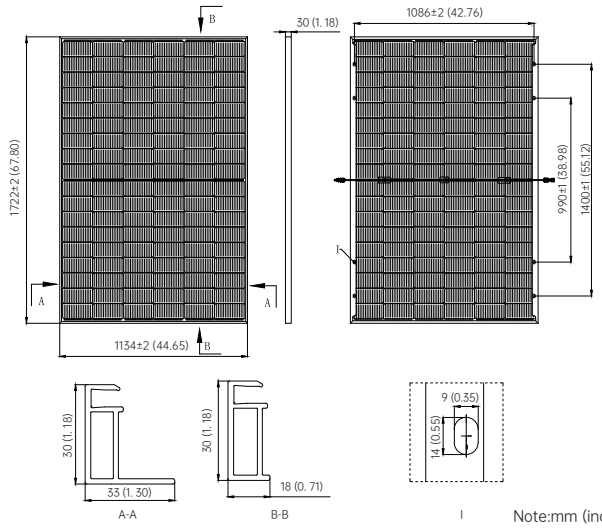
Packing Configuration

Container	20' GP	40' HQ
Pieces/Container	216	936
Pcs/Pallet	36	36
Pallets/Container	6	26

Electrical Characteristics







Note:mm (inch)