



Chromo Solar
SUNNY TIMES

Powered By **PHONO**



410-430w

Draco Module Series

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

Bloomberg
NEW ENERGY FINANCE

Tier1



Extraordinary Product Performance

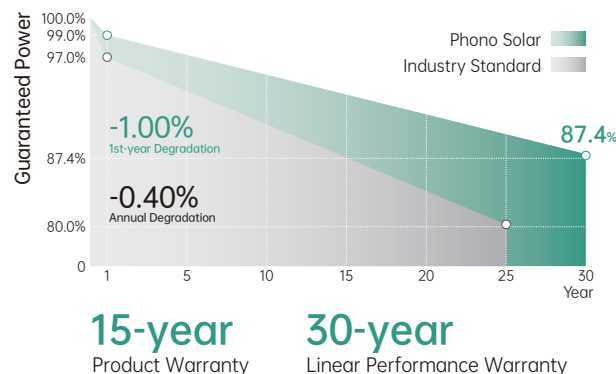
- Up to 30% additional power yield benefited from bifacial technology and up over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated temperature coefficient
- Better weak illumination response, higher power generation with N-type technology

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



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	PS410M8GF-18/VNH		PS415M8GF-18/VNH		PS420M8GF-18/VNH		PS425M8GF-18/VNH		PS430M8GF-18/VNH	
	1500V	PS410M8GFH-18/VNH		PS415M8GFH-18/VNH		PS420M8GFH-18/VNH		PS425M8GFH-18/VNH		PS430M8GFH-18/VNH	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P _{mpp})		410	311	415	315	420	319	425	323	430	326
Rated Current (I _{mpp})		13.06	10.53	13.12	10.57	13.18	10.62	13.24	10.67	13.30	10.72
Rated Voltage (V _{mpp})		31.40	29.56	31.64	29.79	31.87	30.01	32.10	30.23	32.34	30.45
Short Circuit Current (I _{sc})		13.71	11.05	13.77	11.10	13.83	11.15	13.89	11.20	13.95	11.24
Open Circuit Voltage (V _{oc})		37.86	36.27	38.16	36.56	38.44	36.83	38.73	37.10	39.03	37.39
Module Efficiency (%)		21.00		21.25		21.51		21.76		22.02	

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)	426	432	437	442	447
	Module Efficiency (%)	21.84	22.10	22.37	22.63	22.90
15%	Maximum Power (W)	459	465	470	476	482
	Module Efficiency (%)	23.52	23.80	24.09	24.38	24.66
25%	Maximum Power (W)	492	498	504	510	516
	Module Efficiency (%)	25.20	25.50	25.81	26.12	26.42

Mechanical Characteristics

Cell Type	Monocrystalline 182mm x 91mm
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

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
PV Module Classification	II
Fire Rating (IEC61730)	Class C
Maximum System Voltage	DC 1000V/1500V

Packing Configuration

Container	20' HQ	40' HQ
Pieces/Container	216	936

Electrical Characteristics

