



610-630w

Draco Module Series

N-TOPCON HIGH EFFICIENCY 132-16BB-W-WG

Bloomberg
NEW ENERGY FINANCE

Tier1



Product Characteristics

- Optimized cell size brings higher power and Lower transportation costs

Extraordinary Product Performance

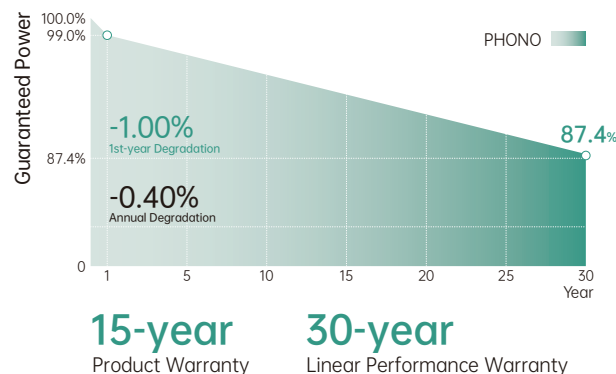
- N-type with lower LID and LeTID
- Up to 30% additional power yield benefited from bifacial technology and over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated temperature coefficient
- Better weak illumination response, higher power generation with N-TOPCon technology

High Quality Reliability

- Industry-leading cell processing technology and dual glass contributes to excellent anti-PID characteristic

Wider Application Conditions

- Universal solution for residential and C&I rooftops
- BIPV, vertical installation, snowfield, high-humid area, windy and dusty area
- Easy for integration, designed for compatibility with existing mainstream inverters and diverse mounting systems



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	PS610L8GF-22/WNH		PS615L8GF-22/WNH		PS620L8GF-22/WNH		PS625L8GF-22/WNH		PS630L8GF-22/WNH	
	1500V	PS610L8GFH-22/WNH		PS615L8GFH-22/WNH		PS620L8GFH-22/WNH		PS625L8GFH-22/WNH		PS630L8GFH-22/WNH	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P _{mp})		610	467	615	471	620	475	625	479	630	482
Rated Current (I _{mp})		14.84	11.95	14.87	11.98	14.90	12.00	14.93	12.02	14.96	12.05
Rated Voltage (V _{mp})		41.11	39.08	41.36	39.32	41.62	39.56	41.87	39.80	42.12	40.04
Short Circuit Current (I _{sc})		15.48	12.47	15.52	12.50	15.56	12.53	15.60	12.56	15.64	12.60
Open Circuit Voltage (V _{oc})		48.95	46.87	49.22	47.13	49.50	47.40	49.77	47.65	50.04	47.91
Module Efficiency (%)		22.58		22.77		22.95		23.14		23.32	

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

BNPI

Maximum Power (P _{max})	672	677	683	688	694
Optimum Operating Current (I _{mp})	16.35	16.38	16.41	16.44	16.48
Optimum Operating Voltage (V _{mp})	41.11	41.36	41.62	41.87	42.12
Short Circuit Current (I _{sc})	17.05	17.08	17.14	17.17	17.22
Open Circuit Voltage (V _{oc})	48.95	49.22	49.50	49.77	50.04

BNPI: 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: 2382mm (93.78 inch) Width: 1134mm (44.65 inch) Height: 30mm (1.18 inch)
Weight	32.6kg (71.87 lbs)
Glass	2.0mm/2.0mm Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm ² (IEC), (+): 350mm, (-): 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%

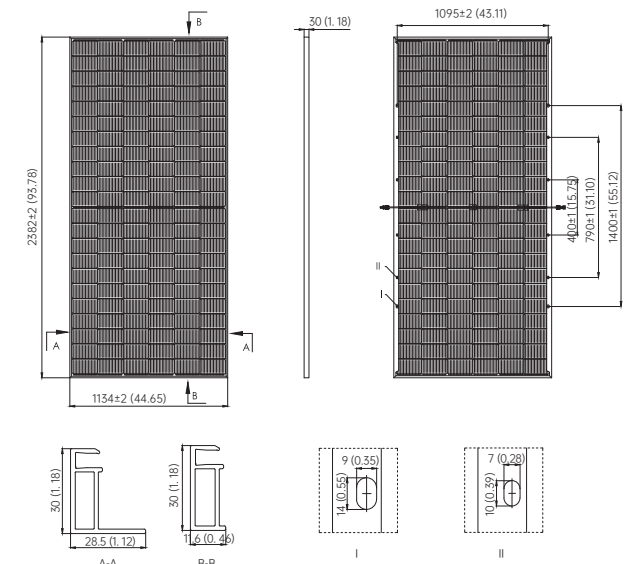
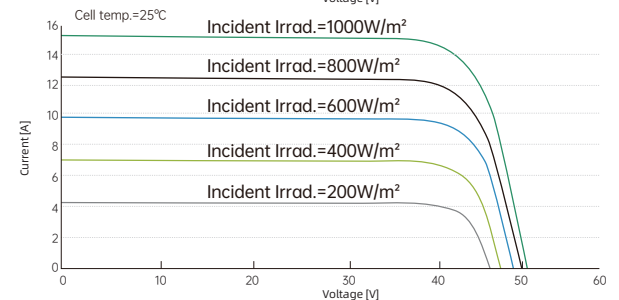
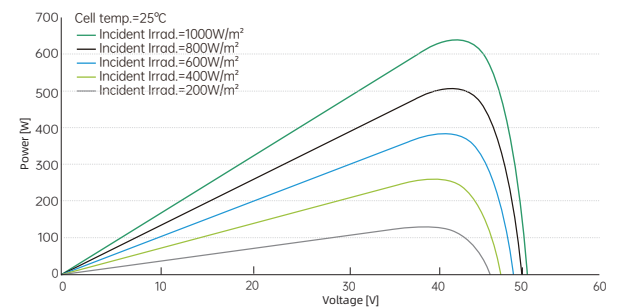
Absolute Maximum Rating

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	40' HQ
Pieces/Container	720
Pcs/Pallet	36
Pallets/Container	20

Electrical Characteristics



Note:mm (inch)