



490-510W Draco Module Series

N-TOPCON HIGH EFFICIENCY MONO







Aesthetic Design in All Black 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

Higher Quality Reliability

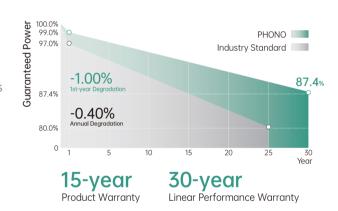
Industry-leading cell processing technology and dual glass contributes to excellent anti-PID characteristic

Shorter Payback Time

• Lower BoS cost ensure a better LCOE

Wider Application Conditions

- 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 4500°

2018 / International standards for occupational health & safety























Electrical Typical Values												
Model	1000V	PS490L8GF-18/VNH		PS495L8GF-18/VNH		PS500L8	PS500L8GF-18/VNH		PS505L8GF-18/VNH		PS510L8GF-18/VNH	
	1500V	PS490L8GFH-18/VNH		PS495L8GFH-18/VNH		PS500L80	PS500L8GFH-18/VNH		PS505L8GFH-18/VNH		PS510L8GFH-18/VNH	
Testing	Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
Rated P	ower (Pmpp)	490	375	495	379	500	383	505	387	510	391	
Rated C	urrent (Impp)	14.84	11.95	14.88	11.98	14.92	12.02	14.96	12.05	15.00	12.08	
Rated V	oltage (Vmpp)	33.02	31.39	33.27	31.63	33.52	31.86	33.76	32.09	34.00	32.32	
Short Ci	rcuit Current (Isc)	15.70	12.64	15.75	12.69	15.80	12.73	15.85	12.77	15.90	12.81	
Open Ci	rcuit Voltage (Voc)	39.68	37.99	39.96	38.26	40.24	38.53	40.51	38.79	40.78	39.04	
Module Efficiency (%)		22.03		22	22.26		22.48		22.71		22.93	

STC (Standard Testing Conditions): Irradiance 1000W/ m^2 , 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)	535	545	550	555	560
Optimum Operating Current (Impp)	16.20	16.38	16.41	16.44	16.47
Optimum Operating Voltage (Vmpp)	33.02	33.27	33.52	33.76	34.00
Short Circuit Current (Isc)	17.14	17.34	17.38	17.42	17.46
Open Circuit Voltage (Voc)	39.68	39.96	40.24	40.51	40.78

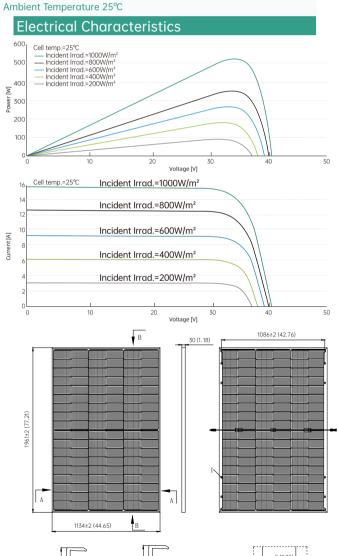
BSTC:Front Side Irradiation 1000W/m², Back Side Reflection Irradiation 135W/m², AM 1.5, Ambient Temperature 25°C

Mechanical Characteristics				
Cell Type	N Type Monocrystalline			
Dimension (L × W × H)	Length: 1961mm (77.21 inch) Width: 1134mm (44.65 inch) Height: 30mm (1.18 inch)			
Weight	27.5kg (60.63 lbs)			
Glass	2.0mm/2.0mm toughened glass			
Frame	Anodized Aluminium Alloy			
Cable (Including Connector)	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 (IEC61730)	С
Maximum System Voltage	DC 1000V/1500V
Packing Configuration	
Container	40' HQ
Pieces/Container	864
Pcs/Pallet	36

24



Note:mm (inch)



Pallets/Container

33 (1, 30)

A-A