



DRACO SERIES 420W

Launch the **N** N-TOPCon All Black Module
the **N** Next era Module

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

20 YEAR PRODUCT WARRANTY

30 YEAR PERFORMANCE WARRANTY

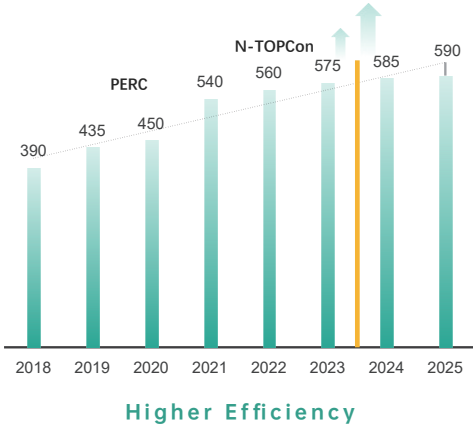
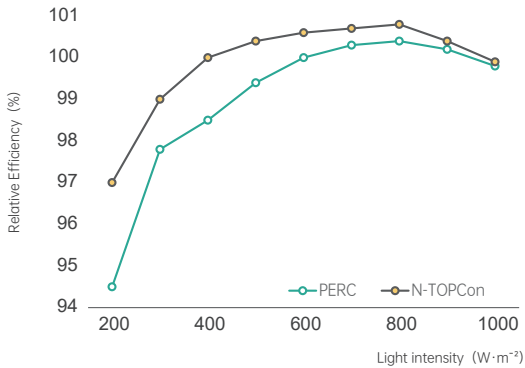
Bloomberg
NEW ENERGY FINANCE

Tier 1

TOP PERFORMER 2023
PVEL PV MODULE RELIABILITY SCORECARD

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



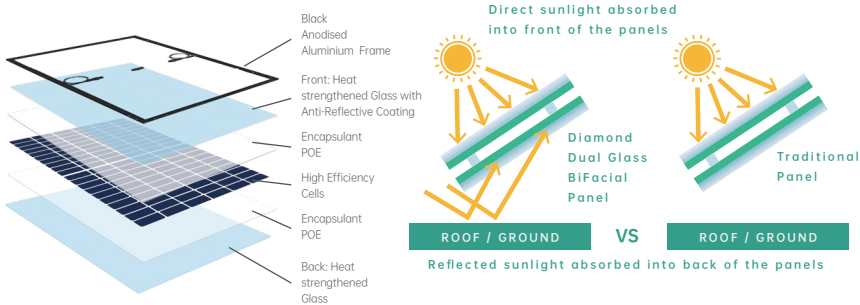
Higher Quality Reliability

- 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

Better Weak Illumination Response

Shorter Payback Time

- BIPV, vertical installation, snowfield, high-humid area, windy and dusty area
- Safer and easier handling during transportation and installation





Electrical Typical Values

Model	1000V	PS420M8GF-18/VNH	
	1500V	PS420M8GFH-18/VNH	
Testing Condition		STC	NOCT
Rated Power (P _{mpp})		420	319
Rated Current (I _{mpp})		13.18	10.62
Rated Voltage (V _{mpp})		31.87	30.01
Short Circuit Current (I _{sc})		13.83	11.15
Open Circuit Voltage (V _{oc})		38.44	36.83
Module Efficiency (%)		21.51	

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)	437
	Module Efficiency (%)	22.37
15%	Maximum Power (W)	470
	Module Efficiency (%)	24.09
25%	Maximum Power (W)	504
	Module Efficiency (%)	25.81

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

