



CHN-485-ND-DG

Monocrystalline Module

Bifacial Dual Glass

470W-485W

485W

Maximum Power Output

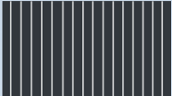
22.40%

Maximum Module Efficiency

0~+3%

Power Output Guarantee

TOPCON



16BB(182mm)

● FIRE CLASS C

Fire protection through double glazing according to safety requirements

● REINSURANCE COVERAGE

Taoistic is reinsured for 30 years of performance guarantee



High quality silicon wafers guarantee high power module output and excellent cost-effectiveness, making it an ideal choice for large power plants



Selected packaging materials and strict process plans to ensure component PID resistance



Lower oxygen and carbon content leads to lower LID



Adapt to harsh outdoor environments through weather resistance tests such as sand and dust, salt spray, and ammonia gas



The design of series and parallel connection reduces the series resistance R_s of components, reduces internal electrical performance losses, and improves the power generation capacity of the system end



Our company has concluded a reinsurance agreement with Ariel Re - Lloyd's syndicate 1910. Please see <http://verification.arielre-cleanenergy.com>

Deliver Reliable Performance Over Time

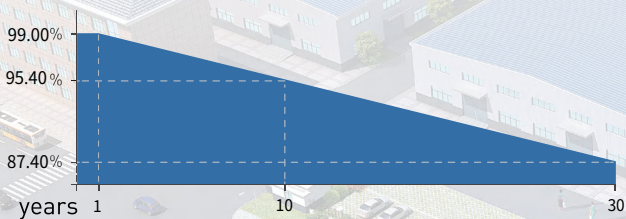
- manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO9001:2015, ISO14001: 2015 and ISO 45001: 2008
- Tested for harsh environments (salt mist, ammonia corrosion, sand blowing test, and PID test: IEC 61701, IEC 62716)
- Long term reliability tests
- 2x100% EL inspection ensuring defect-free modules

WARRANTY

12 years product warranty

30 years performance warranty

Linear Performance Warranty



12 Years Product Warranty 30 Years Linear Power Warranty

* Please refer to standard warranty for details

Product Certification

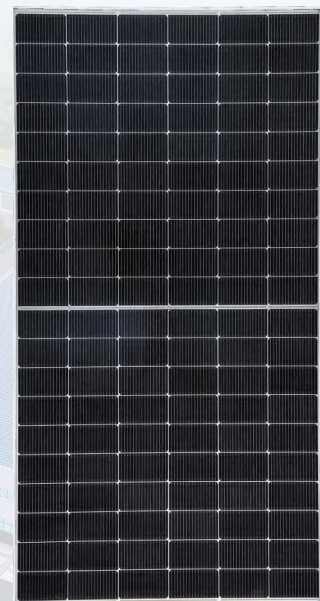


Figure 10 is a line graph showing Power (W) on the y-axis (0 to 600) versus Voltage (V) on the x-axis (0 to 40). The temperature is constant at 25°C. Five curves are plotted for different solar irradiance levels: 1000 W/m² (red), 800 W/m² (green), 600 W/m² (blue), 400 W/m² (purple), and 200 W/m² (grey). The curves show that power increases with voltage up to a peak and then drops sharply. Higher irradiance levels result in higher peak power and higher peak voltages.

Irradiance (W/m^2)	Peak Voltage (V)	Peak Power (W)
1000	~35	~480
800	~33	~380
600	~30	~280
400	~25	~180
200	~18	~90