

# Sun-Pursuit Pro Series

TOPCon monofacial  
108 - cell Full Black

FW-430HD-1

**420-430W**

0-3% Positive Tolerance



## • MODULE FEATURES

- High Efficiency**  
TOPCON technology improves efficiency, increases power generation, and contributes to lower LCOE.
- Lower Heat Spot Risk**  
Innovative circuit design and “Half Cell” structure decrease the temperature of heat spots and effectively reduce power loss.
- Excellent Low-light Performance**  
Reliable performance in low-light conditions such as in the morning, at dusk or during raining days.
- Resilient to Extreme Weather**  
Carefully selected materials ensure the module still works well under the condition of 2400Pa wind load and 5400Pa snow load.
- ANTI-PID**  
High quality solar cell and advanced processing technology contribute to excellent PID resistance performance.

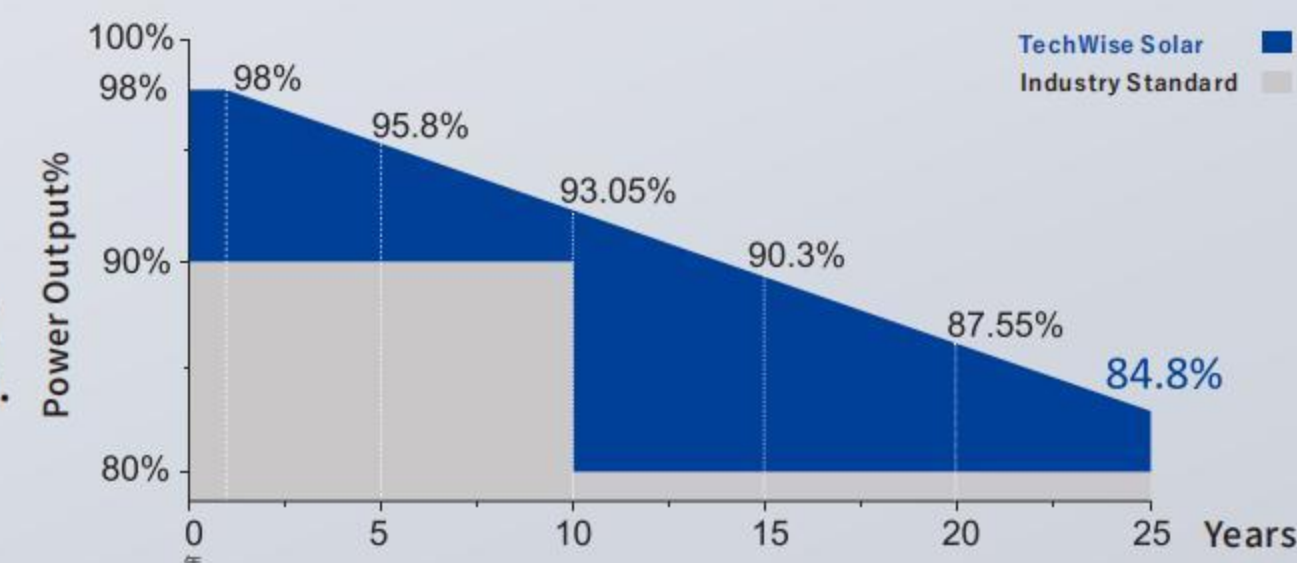
## • Quality Certification



## • Product Qualification



## • Performance Warranty



**12** 12 Years Product Warranty

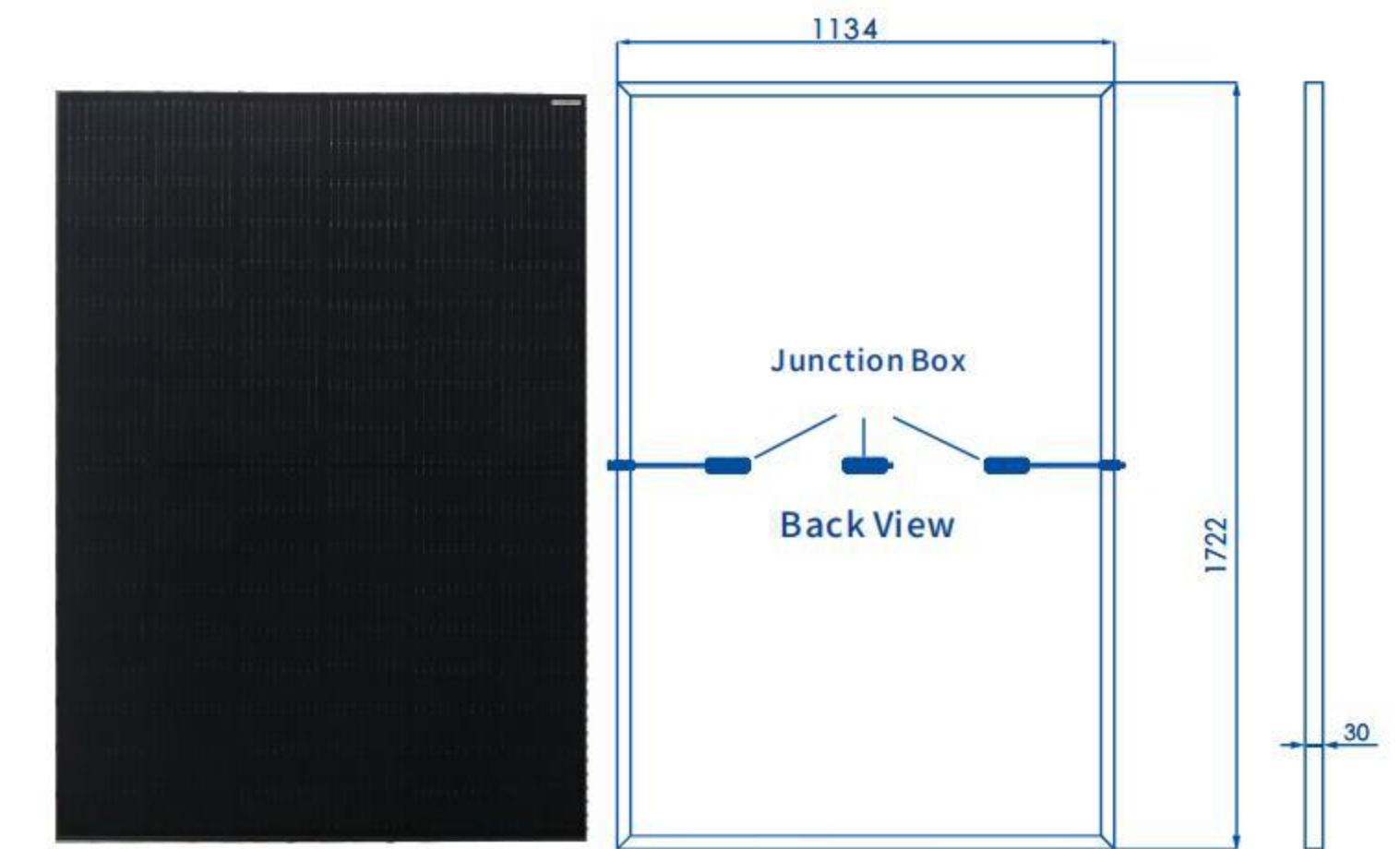
**25** 25 Years Linear Power Warranty

## FW-430HD-1

### • Product Specification •

Cell Type	Mono crystalline
Cell Quantity	108 cell
Cell Size (mm)	182*91
Module Size (mm)	1722*1134*30
Module Weight (kg)	21.4
Glass Thickness (mm)	3.2
Backboard	Full Black
Frame Material	Anodized aluminum alloy
Junction Box	IP68
Cable/Connector	4mm <sup>2</sup> , MC4compatible
Cable Length	+300mm/-300mm; or Customize
Max System Volt (V)	1500V DC
Max Fuse Rate (A)	30
Power Tolerance (%)	0~+3%

### • Engineering Drawings •



### • Electrical Characteristics •

#### STC standard performance >>>

Power Level	420	425	430
Pmax(W)	420	425	430
Vmp(V)	32.21	32.41	32.61
Imp(A)	13.06	13.13	13.20
Voc(V)	37.91	38.11	38.31
Isc(A)	14.03	14.10	14.17
Module Efficiency (%)	21.51	21.76	22.02

#### NOCT standard performance >>>

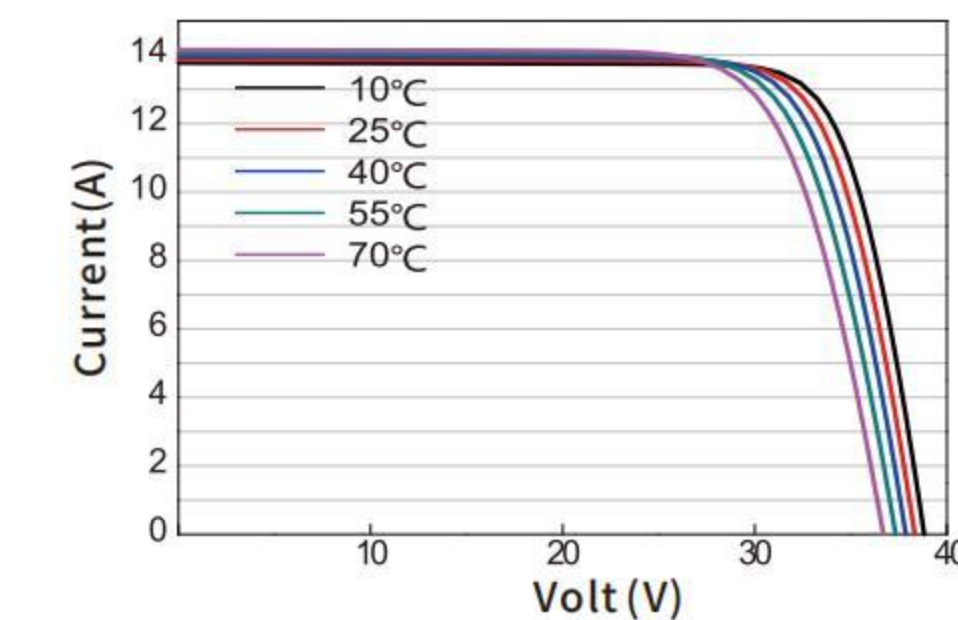
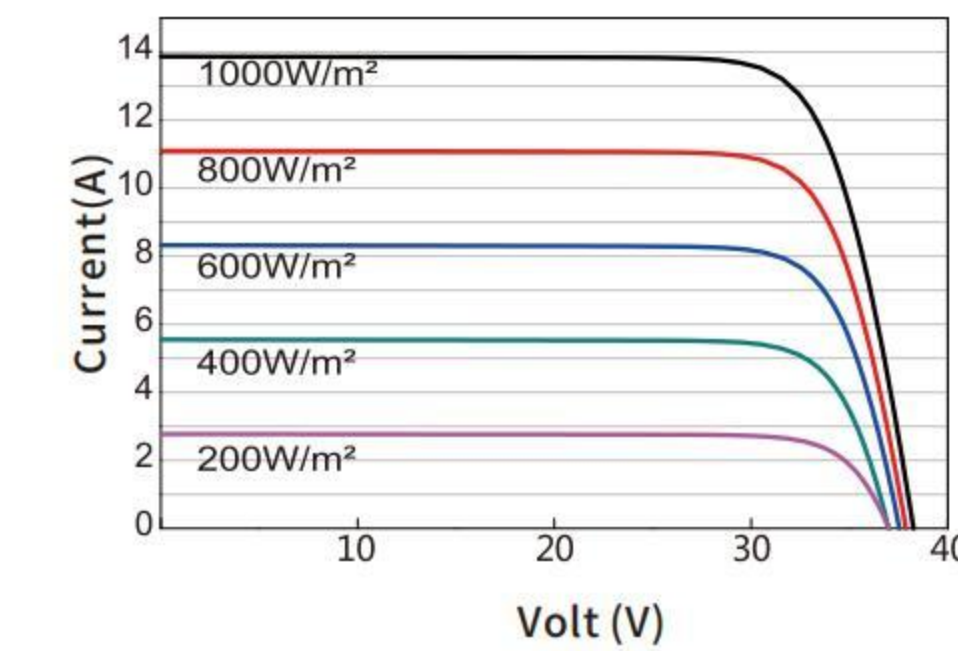
Power Level	420	425	430
Pmax(W)	316	319	323
Vmp(V)	29.73	29.93	30.13
Imp(A)	10.65	10.68	10.74
Voc(V)	35.38	35.58	35.88
Isc(A)	11.29	11.35	11.41

STC: Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, AM1.5  
NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

### • Temperature Characteristics •

Operating Temp (°C)	-40~85
Operating Humidity (°C)	5~85
Hail Load Tolerance	25mm hailstone with velocity of 23m/s
Temp Coefficient	-0.340
Temp Coefficient Isc (%/°C)	0.04
Temp Coefficient Voc (%/°C)	-0.25
Operating Temp (°C)	44±2

### • I-V Curve •



### • Packaging Info •

Pieces per Pallet	36
Size of Packaging (mm)	1750*1125*1270
Weight of per Pallet (kg)	795
Pieces per Container	936
Size of Container	40'HC

Add: Via Mario Siciliano, Latina  
Tel: 86-3275665000  
Web: www.fourwindsolarpower.com  
Email: info@fourwinds.it