

**For a Free Quote:**

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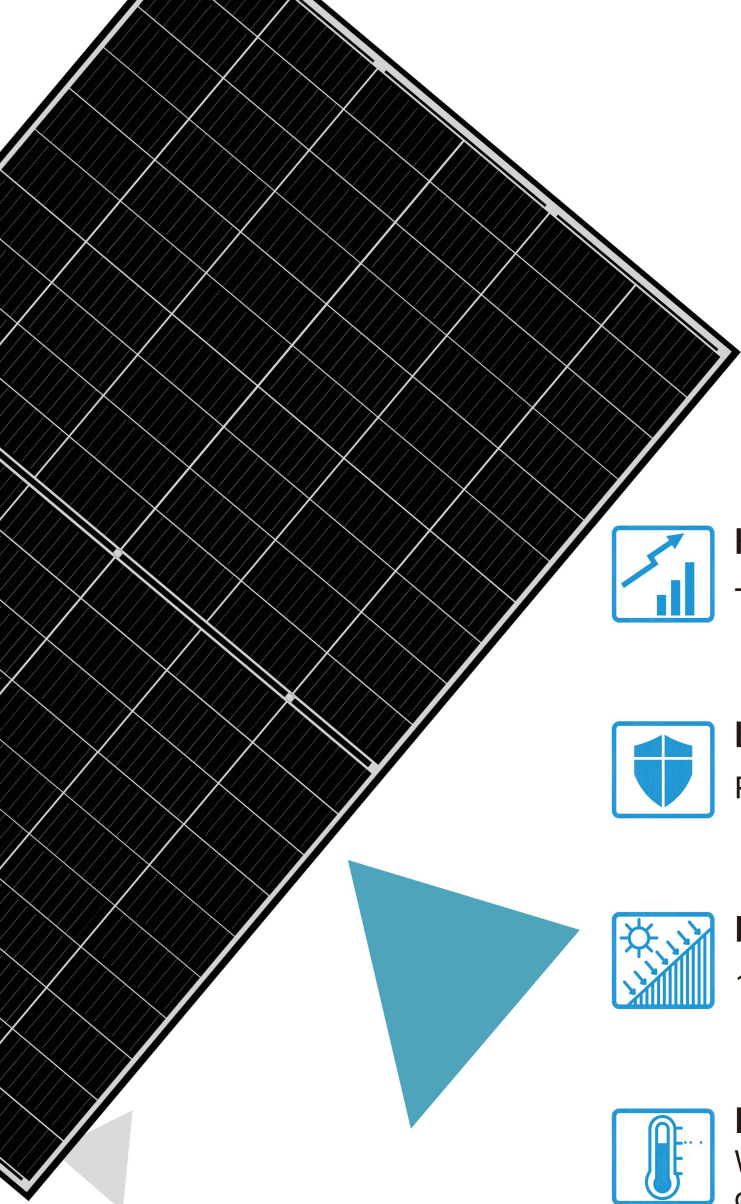
Email: [contact@energypal.com](mailto:contact@energypal.com)

# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

### **Solarwit 60 Cell N type/340W-350W(Rooftop) WH120N-350**

Also available on the web at  
[EnergyPal.com/solarwit-solar-panels/wh120n-350](http://EnergyPal.com/solarwit-solar-panels/wh120n-350)



# Half Cell N Type

## WHN60H 330W-350W



### High Conversion Efficiency

The leading module conversion efficiency, Up to 20.1%



### High Reliability

Passed 3\*IEC standard test



### Low Hot-spot Effect

1/2 current, reduce the hot spot temperature



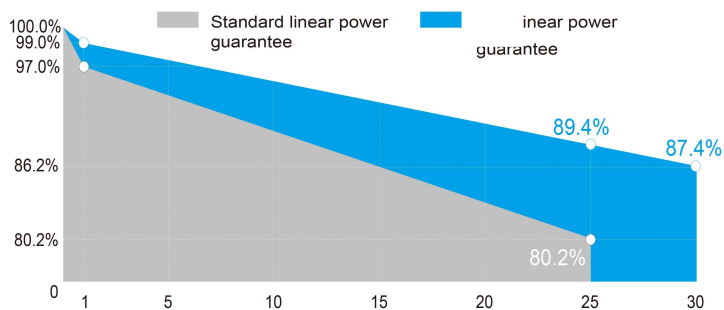
### Low Work Temperature

Work temperature less than 42°C, improve the power generation efficiency



### Excellent Appearance and Performance

Total black module, "0" LID, esthetics design, low risk of micro crack



-1.00% First year power degradation

-0.40% Power degradation per year



Materials and workmanship warranty



Power linear warranty

### Product And Quality Certifications

- IEC 61215, IEC 61730
- ISO 9001:2015 Quality Management System
- ISO 14001:2015 Environmental Management System
- ISO 45001:2018 EHS Management System
- IEC TS 62941:2016 Terrestrial photovoltaic (PV) modules. Guideline for increased confidence in PV module design qualification and type approval



# Half Cell N Type

## Electrical Parameters (STC\*)

Module Type	WH120N-350	WH120N-345	WH120N-340	WH120N-335	WH120N-330
Nominal Max. Power(Pmax/W)	350	345	340	335	330
Open Circuit Voltage(Voc/V)	42.25	41.98	41.72	41.46	41.20
Short Circuit Current(Isc/A)	10.30	10.22	10.14	10.06	9.98
Operating Voltage(Vmp/V)	35.46	35.20	34.94	34.67	34.41
Operating Current(Imp/A)	9.87	9.80	9.73	9.66	9.59
Module Efficiency(%)	20.7	20.4	20.1	19.8	19.5

STC\* (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM1.5

## Electrical Parameters (NMOT\*)

Module Type	WH120N-350	WH120N-345	WH120N-340	WH120N-335	WH120N-330
Nominal Max. Power(Pmax/W)	257	254	250	246	243
Open Circuit Voltage(Voc/V)	39.08	38.83	38.59	38.35	38.11
Short Circuit Current(Isc/A)	8.30	8.24	8.17	8.11	8.04
Operating Voltage(Vmp/V)	32.53	32.40	32.13	31.82	31.68
Operating Current(Imp/A)	7.90	7.84	7.78	7.73	7.67

NMOT\* (Nominal Module Operating Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s

## Mechanical Parameters

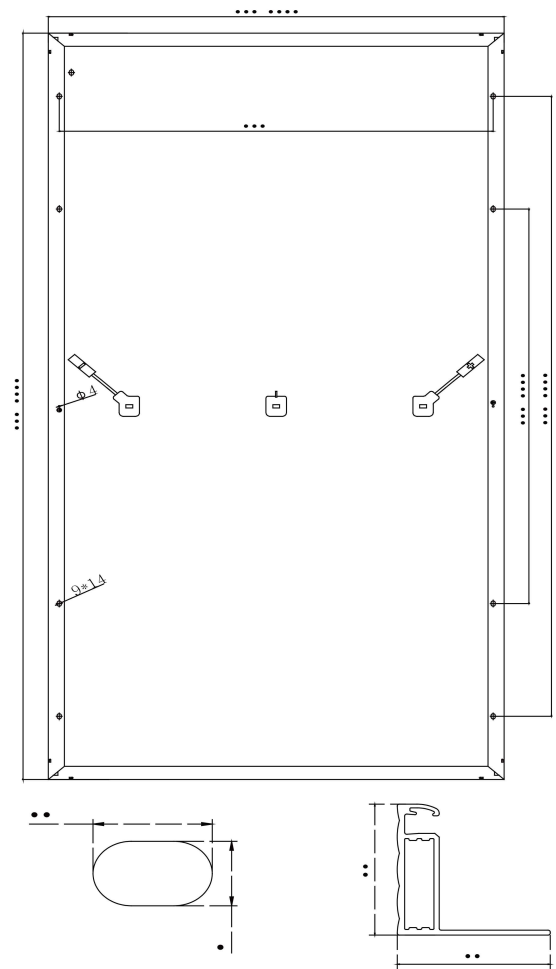
Cell size	N Type 158.75×79.375mm
Module size	1685×1002×35mm(L×W×H)
Glass Thickness	3.2mm
Module Weight	18.6Kg
Output Cable	4mm <sup>2</sup> , cable length 300mm (can be customized)
Connector	MC4 compatible

## Temperature Coefficients

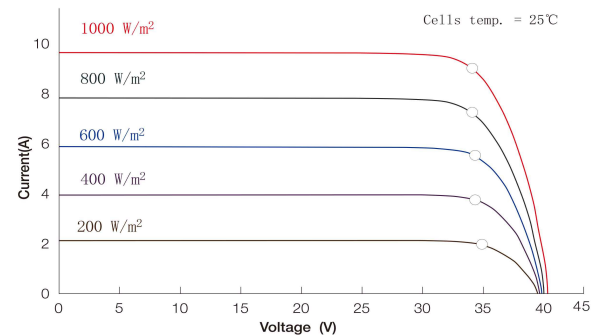
Short Circuit Current(Isc)	+0.048%/°C
Open Circuit Voltage(Voc)	-0.30%/°C
Nominal Max. Power(Pmax)	-0.35%/°C
NMOT	42±2°C

## Work Environmental Parameters

Max. System Voltage	DC1000V/DC1500V
Power Tolerance	0 ~ +5 W
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	15A
Front Static Load	Snow load 5400Pa, Wind load 2400Pa
Application Classification	Class A
Packing Specification	30 pcs/Pallet, 300 pcs/ 20'HQ; 780 pcs/ 40'HQ;



## I-V curves under different irradiance degree



## I-V curves

