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EnergyPal

Solar Panel Guide Specification Data Sheet

**Solarwit
BL60H 320W-340W
WH120P-320**

Also available on the web at
EnergyPal.com/solarwit-solar-panels/wh120p-320

Half Cell Mono PERC

BL60H 320W-340W



High Conversion Efficiency

The leading module conversion efficiency, Up to 19.6%



High Reliability

Passed 3*IEC standard test



Low Hot-spot Effect

1/2 current, reduce the hot spot temperature



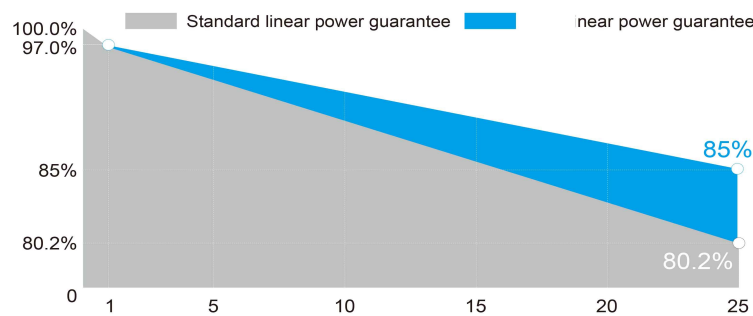
Low Work Temperature

Work temperature less than 43°C, improve the power generation efficiency



Half Cell, MBB Technology

Series-then-parallel cell connection design, high reliable welding technology



-3.00% First year power degradation

-0.50% 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 Mono PERC

Electrical Parameters (STC*)

Module Type	WH120P-340	WH120P-335	WH120P-330	WH120P-325	WH120P-320
Nominal Max. Power(Pmax/W)	340	335	330	325	320
Open Circuit Voltage(Voc/V)	41.72	41.46	41.20	40.92	40.70
Short Circuit Current(Isc/A)	10.14	10.06	9.98	9.90	9.82
Operating Voltage(Vmp/V)	34.94	34.67	34.41	34.13	33.89
Operating Current(Imp/A)	9.73	9.66	9.59	9.52	9.44
Module Efficiency(%)	20.2	19.9	19.6	19.3	18.9

STC* (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5

Electrical Parameters (NMOT*)

Module Type	WH120P-340	WH120P-335	WH120P-330	WH120P-325	WH120P-320
Nominal Max. Power(Pmax/W)	250	246	243	239	235
Open Circuit Voltage(Voc/V)	38.59	38.35	38.11	37.85	37.65
Short Circuit Current(Isc/A)	8.17	8.11	8.04	7.98	7.91
Operating Voltage(Vmp/V)	32.13	31.82	31.68	31.36	31.13
Operating Current(Imp/A)	7.78	7.73	7.67	7.62	7.55

NMOT* (Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s

Mechanical Parameters

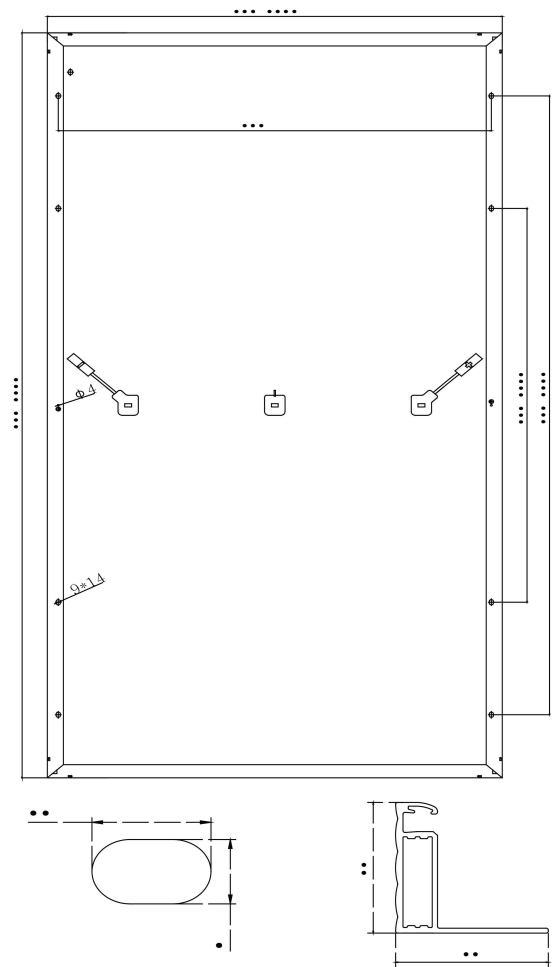
Cell size	Mono PERC 158.75×79.375mm
Module size	1685×1002×35mm(L×W×H)
Glass Thickness	3.2mm
Module Weight	18.6Kg
Option	Black frame, Black backsheet available
Output Cable	4mm ² , cable length 300mm (can be customized)
Connector	MC4 compatible

Temperature Coefficients

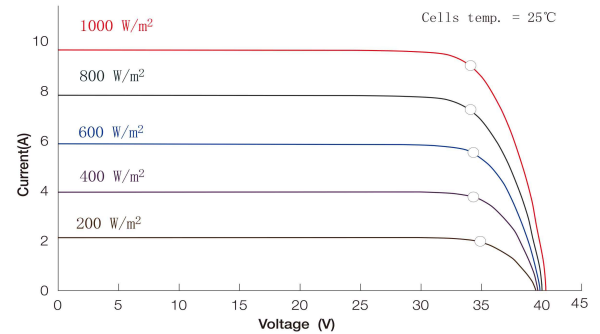
Short Circuit Current(Isc)	+0.048%/°C
Open Circuit Voltage(Voc)	-0.31%/°C
Nominal Max. Power(Pmax)	-0.38%/°C
NMOT	43±2°C

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

