

SQUARE MONO

Half Cell

330W-350W



120 CELL

MONOCRYSTALLINE MODULE

330W-350W

POWER OUTPUT RANGE

20.5%

MAXIMUM EFFICIENCY

0 to +3%

POSITIVE POWER TOLERANCE

CERTIFICATION



www.powitt.com



Higher Output of Power

Effectively reduce the unit cost of PV solar system by watt



Optimize the temperature coefficient

Improve the performance under the condition of shadow and low temperature coefficient



Reduce the shadow loss on the power output

Effectively reduce the risk of heat spot on high efficiency

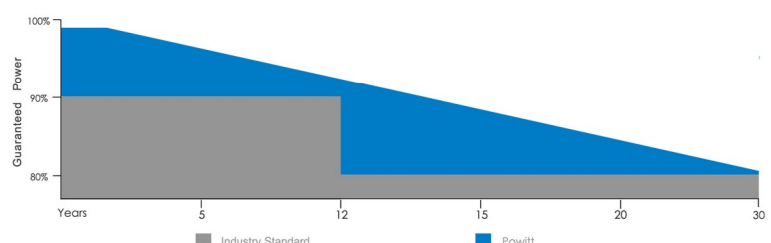


Stronger the physical property

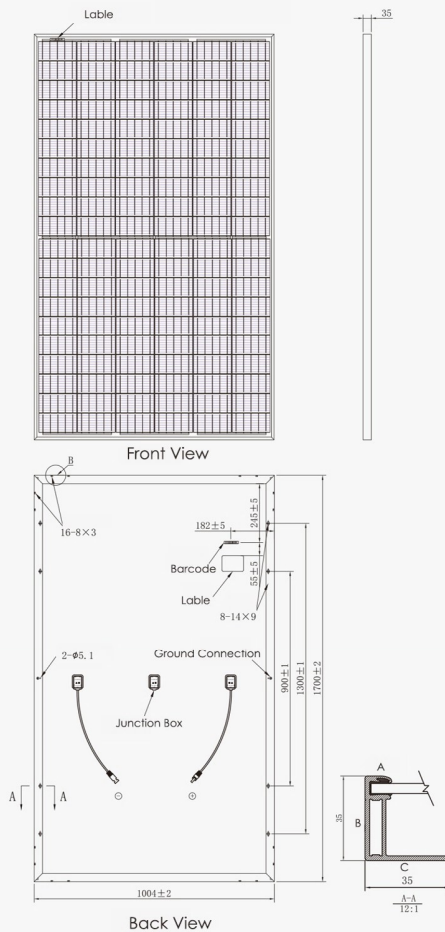
Optimize the property of power generating and reliability of the system

LINEAR PERFORMANCE WARRANTY

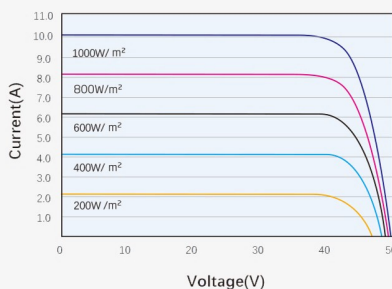
12 Year Product Warranty · 30 Year Linear Power Warranty



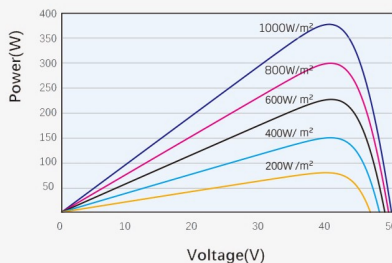
DIMENSIONS OF PV MODULE



I-V CURVES OF PV MODULE



P-V CURVES OF PV MODULE



ELECTRICAL DATA @STC

	PHC-330M	PHC-335M	PHC-340M	PHC-345M	PHC-350M
Peak Power Watts-P _{MAX} (Wp)	330	335	340	345	350
Power Output Tolerance-P _{MAX} (%)	0/+3	0/+3	0/+3	0/+3	0/+3
Maximum Power Voltage-V _{MPP} (V)	34.3	34.6	34.9	35.2	35.5
Maximum Power Current-I _{MPP}	9.63	9.69	9.75	9.81	9.87
Open Circuit Voltage-V _{OC} (V)	42.2	42.6	43.0	43.4	43.8
Short Circuit Current-I _{SC} (A)	10.01	10.05	10.09	10.13	10.17
Module Efficiency η _m (%)	19.3	19.6	19.9	20.2	20.5

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
Average efficiency reduction of 4.5% at 200 W/m² according to EN 60904-1.

ELECTRICAL DATA @ NOCT

	PHC-330M	PHC-335M	PHC-340M	PHC-345M	PHC-350M
Maximum Power-P _{MAX} (Wp)	245	248	252	256	260
Maximum Power Voltage-V _{MPP} (V)	31.7	31.9	32.2	32.5	32.8
Maximum Power Current-I _{MPP} (A)	7.72	7.77	7.82	7.87	7.92
Open Circuit Voltage-V _{OC} (V)	39.4	39.8	40.1	40.5	40.9
Short Circuit Current-I _{SC} (A)	8.07	8.10	8.13	8.16	8.20

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar Cells	Square Mono PERC 158.75 x 79.375mm
Cell Orientation	120cells(6 x 20)
Module Dimensions	1700 x 1004 x 35 mm
Weight	18.7 kg
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass - 3.2mm
Backsheet	White
Frame	Silver Anodized Aluminium Alloy (Black Available)
J-Box	IP 68 rated
Cables	Photovoltaic Technology cable 4.0mm ²
Connector	MC4 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of P _{MAX}	-0.36%/°C
Temperature Coefficient of V _{OC}	-0.28%/°C
Temperature Coefficient of I _{SC}	+0.048%/°C

MAXIMUM RATINGS

Operational Temperature	-40 to +85°C
Maximum System Voltage	1000V DC (IEC)
Max Series Fuse Rating	15A
Mechanical Load	5400pa
Wind Load	2400pa

PACKAGING CONFIGURATION

Modules per box: 30pieces
Modules per 40' container: 845pieces

WARRANTY

12 year workmanship warranty
30 year linear performance warranty
(Please refer to product warranty for details)