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# **EnergyPal**

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

**Powitt Solar Co., Ltd.**

**Mono355-370W**

**PW-6M72-365**

Also available on the web at  
[EnergyPal.com/powitt-solar-co-ltd-solar-panels/pw-6m72-365](http://EnergyPal.com/powitt-solar-co-ltd-solar-panels/pw-6m72-365)

MONO

# SOLAR MODULE

370W  
6M72 SERIES  
355W-370W

MONOCRYSTALLINE SOLAR MODULE

**72 CELL**  
MONOCRYSTALLINE MODULE

**355W-370W**  
POWER OUTPUT RANGE

**19.1%**  
MAXIMUM EFFICIENCY

**0 to +5%**  
POSITIVE POWER TOLERANCE

## CERTIFICATION



### Ideal for large scale installations

High power footprint reduces installation time & BOS costs



### One of the industry's most trusted modules

Field proven performance



### Highly reliable due to stringent quality control

Over 30 in-house tests (UV, TC, HF and many more)  
In-house testing goes well beyond certification requirements  
PID-resistant

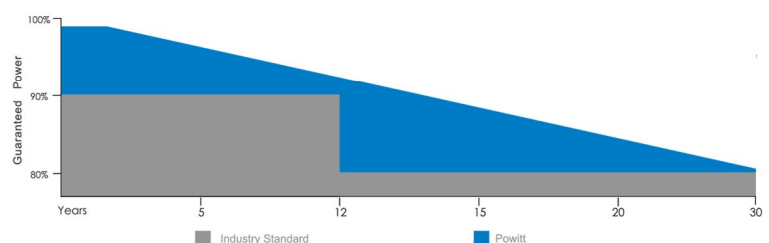


### Certified to withstand challenging environmental conditions

2400 Pa wind load  
5400 Pa snow load  
25mm hail stones at 82 km/h

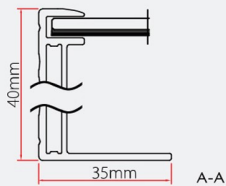
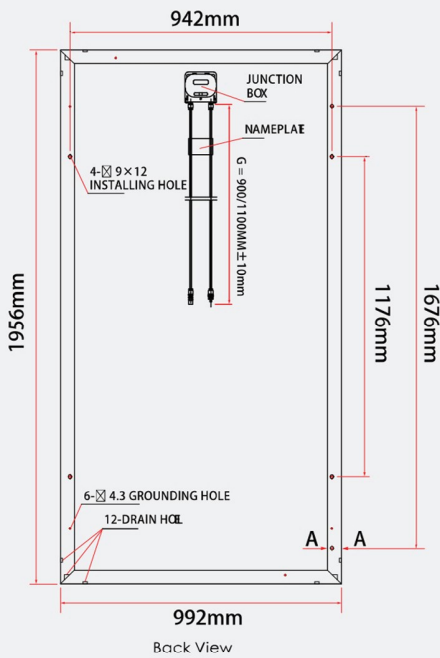
## LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 30 Year Linear Power Warranty

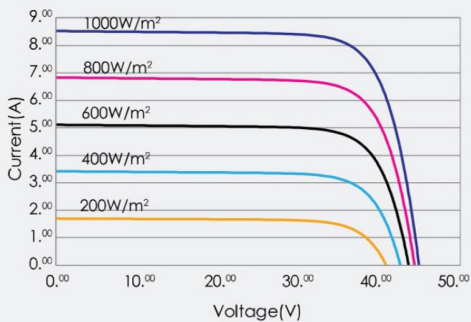


[www.powitt.com](http://www.powitt.com)

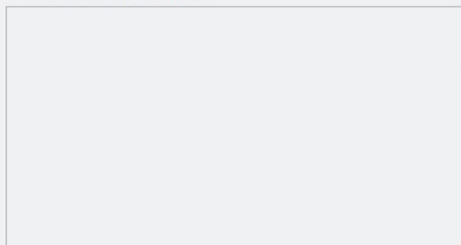
### DIMENSIONS OF PV MODULE



### I-V CURVES OF PV MODULE



### Dear Information



### ELECTRICAL DATA @STC

	PW-6M72-355	PW-6M72-360	PW-6M72-365	PW-6M72-370
Peak Power Watts-P <sub>MAX</sub> (Wp)	355	360	365	370
Power Output Tolerance-P <sub>MAX</sub> (%)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage-V <sub>MPP</sub> (V)	37.58	39.0	39.3	39.7
Maximum Power Current-I <sub>MPP</sub>	9.45	9.24	9.30	9.33
Open Circuit Voltage-V <sub>OC</sub> (V)	46.26	47.7	48.0	48.3
Short Circuit Current-I <sub>SC</sub> (A)	9.85	9.7	9.77	9.83
Module Efficiency η <sub>m</sub> (%)	18.3	18.6	18.8	19.1

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.  
Average efficiency reduction of 4.5% at 200 W/m<sup>2</sup> according to EN 60904-1.

### ELECTRICAL DATA @ NOCT

	PW-6M72-355	PW-6M72-360	PW-6M72-365	PW-6M72-370
Maximum Power-P <sub>MAX</sub> (Wp)	264	268	272	276
Maximum Power Voltage-U <sub>MPP</sub> (V)	36.0	36.2	36.4	36.8
Maximum Power Current-I <sub>MPP</sub> (A)	7.34	7.42	7.47	7.50
Open Circuit Voltage-U <sub>OC</sub> (V)	44.1	44.3	44.6	44.9
Short Circuit Current-I <sub>SC</sub> (A)	7.79	7.83	7.89	7.94

NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s.

### MECHANICAL DATA

Solar Cells	Monocrystalline 156.75 x 156.75mm
Cell Orientation	72 cells(6 x 12)
Module Dimensions	1956 x 992 x 40 mm
Weight	22.5 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 67 rated
Cables	Photovoltaic Technology cable 4.0 mm <sup>2</sup> , 900mm(Customized Available)
Connector	MC4 Compatible

### TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of P <sub>MAX</sub>	-0.39%/°C
Temperature Coefficient of V <sub>OC</sub>	-0.30%/°C
Temperature Coefficient of I <sub>SC</sub>	+0.05%/°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

### PACKGING CONFIGURATION

Modules per box: 26 pieces
Modules per 40' container: 624 pieces
Modules per 20' container: 260 pieces

### WARRANTY

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

### INSURANCE

Product liability insurance with CHUBB Group
Product performance(E&O)insurance CHUBB Group

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