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EnergyPal

Solar Panel Guide Specification Data Sheet

Powitt Solar Co., Ltd.

Mono355-370W

PW-6M72-355

Also available on the web at
EnergyPal.com/powitt-solar-co-ltd-solar-panels/pw-6m72-355

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

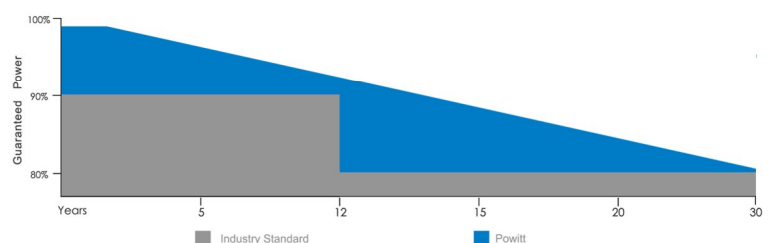


Certified to withstand challenging environmental conditions

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

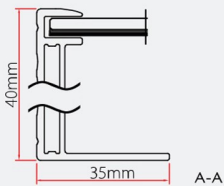
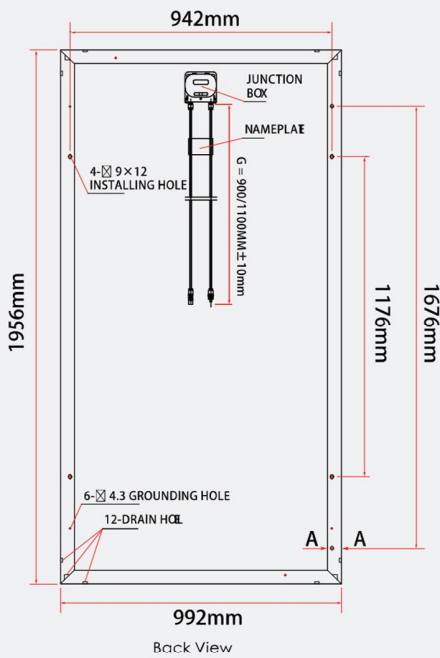
LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 30 Year Linear Power Warranty

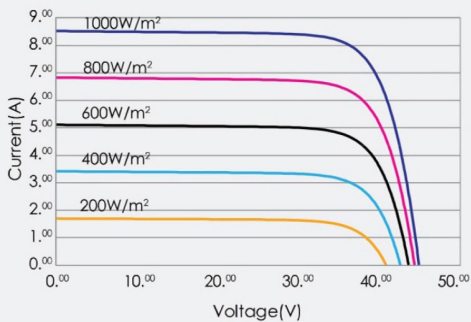


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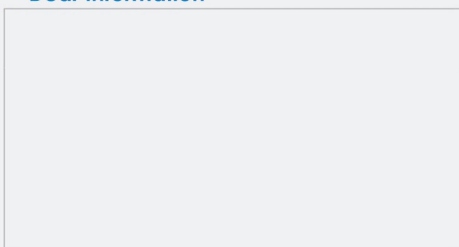
DIMENSIONS OF PV MODULE



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

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

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

NOCT: Irradiance at 800 W/m², 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 ² , 900mm(Customized Available)
Connector	MC4 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of P _{MAX}	-0.39%/°C
Temperature Coefficient of V _{OC}	-0.30%/°C
Temperature Coefficient of I _{SC}	+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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