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EnergyPal

Solar Panel Guide Specification Data Sheet

Powitt Solar Co., Ltd.

Poly325W-340W

PW-6P72-335

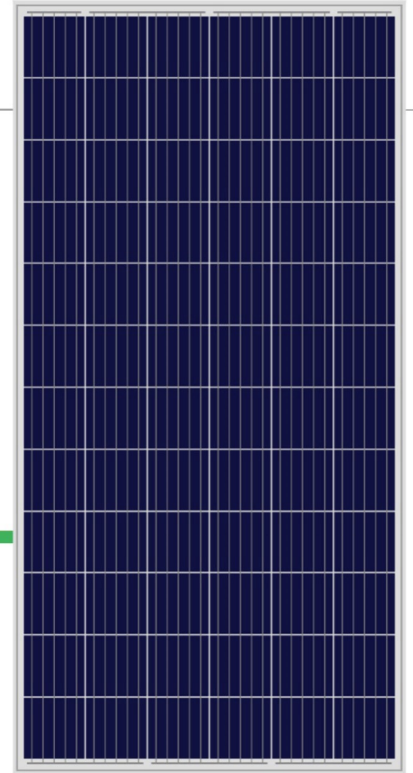
Also available on the web at
EnergyPal.com/powitt-solar-co-ltd-solar-panels/pw-6p72-335

POLY

SOLAR MODULE

340W
6P72 SERIES
325W-340W

POLYCRYSTALLINE SOLAR MODULE



72 CELL
POLYCRYSTALLINE MODULE

325W-340W
POWER OUTPUT RANGE

17.5%
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

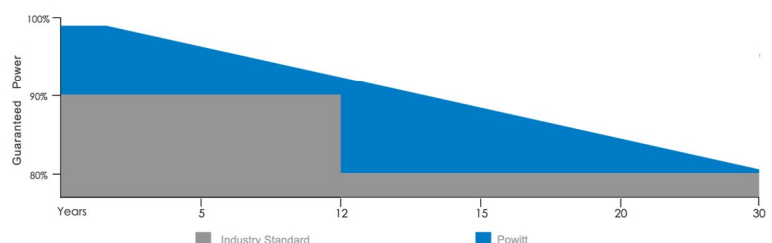


Certified to withstand challenging environmental conditions

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

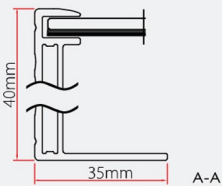
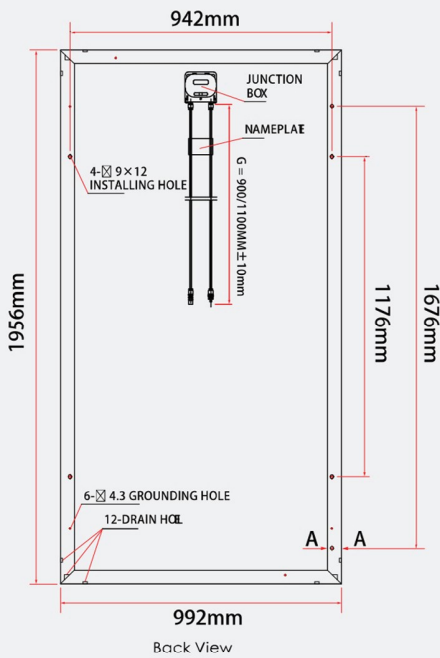
LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 30 Year Linear Power Warranty

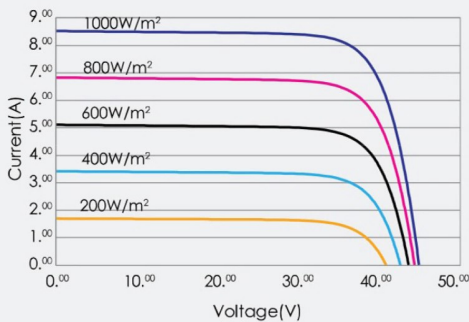


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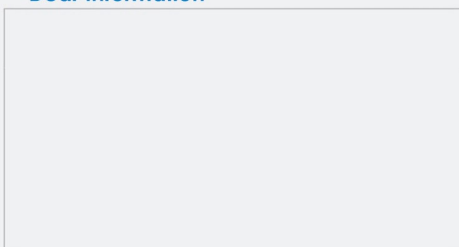
DIMENSIONS OF PV MODULE



I-V CURVES OF PV MODULE



Dear Information



ELECTRICAL DATA @STC

	PW-6P72-325	PW-6P72-330	PW-6P72-335	PW-6P72-340
Peak Power Watts- P_{MAX} (Wp)	325	330	335	340
Power Output Tolerance- P_{MAX} (%)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage- V_{MPP} (V)	37.49	37.63	37.6	37.8
Maximum Power Current- I_{MPP}	8.67	8.77	8.91	8.99
Open Circuit Voltage- V_{OC} (V)	45.79	45.95	46.0	46.2
Short Circuit Current- I_{SC} (A)	9.02	9.12	9.35	9.42
Module Efficiency η_m (%)	16.8	17.0	17.3	17.5

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

	PW-6P72-325	PW-6P72-330	PW-6P72-335	PW-6P72-340
Maximum Power- P_{MAX} (Wp)	235	239	249	253
Maximum Power Voltage- U_{MPP} (V)	34.37	34.54	35.6	35.9
Maximum Power Current- I_{MPP} (A)	6.87	6.94	6.99	7.05
Open Circuit Voltage- U_{OC} (V)	42.24	42.44	43.8	44.0
Short Circuit Current- I_{SC} (A)	7.20	7.26	7.52	7.98

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

MECHANICAL DATA

Solar Cells	Polycrystalline 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

Powitt Solar Co Ltd

www.powitt.com
 info@powitt.com
 Tel: +86 519 8899 2132

Wuxi: Infinity New Energy
 No.8-1, Yan Feng Road, Huishan, Wuxi, Jiangsu, China 214100
Changzhou: Powitt Solar
 Room 306, Building 5, Boji Park, Changzhou, Jiangsu, China 213000
Sri Lanka: Powitt Solar Lanka(Pvt) Ltd
 208 Stanley Thilakratne Mawatha, Jubilee Post, Nugegoda, Sri Lanka