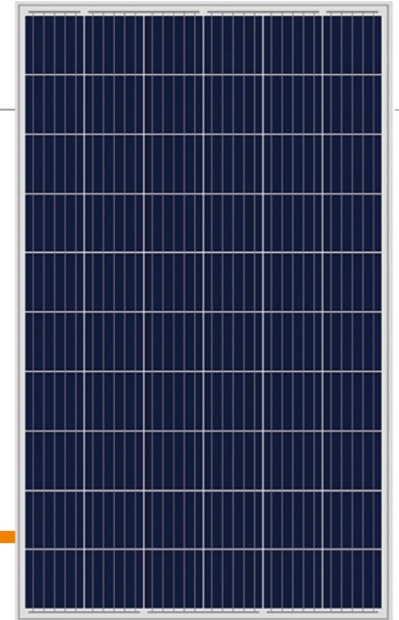


SOLAR MODULE

285W
6P60 SERIES
270W-285W

POLYCRYSTALLINE SOLAR MODULE



60 CELL
MULTICRYSTALLINE MODULE

270W-285W
POWER OUTPUT RANGE

17.5%
MAXIMUM EFFICIENCY

0 to +5%
POSITIVE POWER TOLERANCE

CERTIFICATION



www.powitt.com



Excellent low light performance on cloudy days, mornings and evenings

- Advanced surface texturing
- Back surface field
- Selective emitter



Maximize Limited Space

- 60-cell module power output up to 285W
- Up to 162W/m² power density



Highly reliable due to stringent quality control

- All modules have to pass electroluminescence (EL) inspection
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant

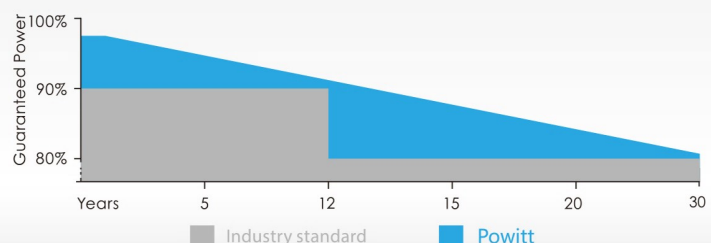


Certified to withstand challenging environmental conditions

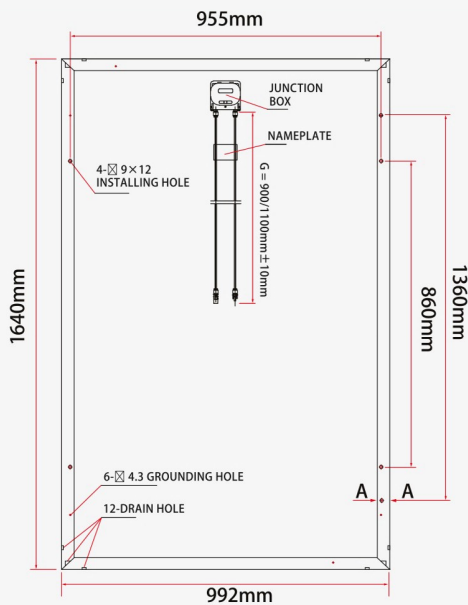
- 130 km/h wind load (2400 Pa)
- 900 kg snow load per module (5400 Pa)
- 35 mm hail stones at 97 km/h

LINEAR PERFORMANCE WARRANTY

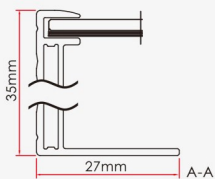
12 Year Product Warranty • 30 Year Linear Power Warranty



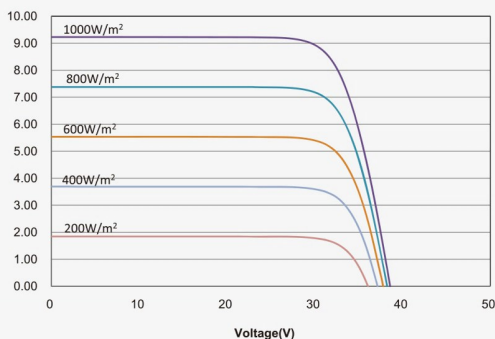
DIMENSIONS OF PV MODULE 6P60 SERIES



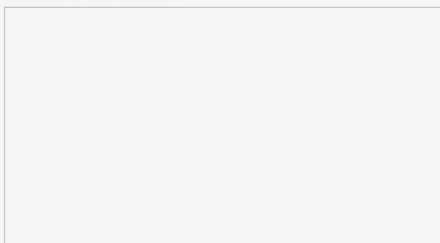
Back View



I-V CURVES OF PV MODULE 6P60 SERIES



Dealer Information



ELECTRICAL DATA @ STC	PW-6P60-270	PW-6P60-275	PW-6P60-280	PW-6P60-285
Peak Power Watts- P_{MAX} (Wp)	270	275	280	285
Power Output Tolerance- P_{MAX} (%)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage- V_{MPP} (V)	31.72	31.99	31.38	31.56
Maximum Power Current- I_{MPP} (A)	8.52	8.60	8.93	9.04
Open Circuit Voltage- V_{OC} (V)	38.10	38.25	39.12	39.35
Short Circuit Current- I_{SC} (A)	8.86	8.92	9.45	9.56
Module Efficiency η_m (%)	16.5	17.0	17.2	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-6P60-270	PW-6P60-275	PW-6P60-280	PW-6P60-285
Maximum Power- P_{MAX} (Wp)	196	199	206	210
Maximum Power Voltage- U_{MPP} (V)	28.49	28.68	28.7	28.9
Maximum Power Current- I_{MPP} (A)	6.88	6.96	7.18	7.27
Open Circuit Voltage- U_{OC} (V)	35.15	35.46	35.6	35.7
Short Circuit Current- I_{SC} (A)	7.17	7.23	7.54	7.63

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

MECHANICAL DATA

Solar Cells	Multicrystalline 156 x 156 mm
Cell Orientation	60 cells (6 x 10)
Module Dimensions	1640 x 992 x 35 mm
Weight	18.2 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}	-0.38%/°C
Temperature Coefficient of V_{OC}	-0.28%/°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

PACKAGING CONFIGURATION

Modules per box:	30 pieces
Modules per 40' container:	840 pieces
Modules per 20' container:	360 pieces

WARRANTY

12 year Product 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