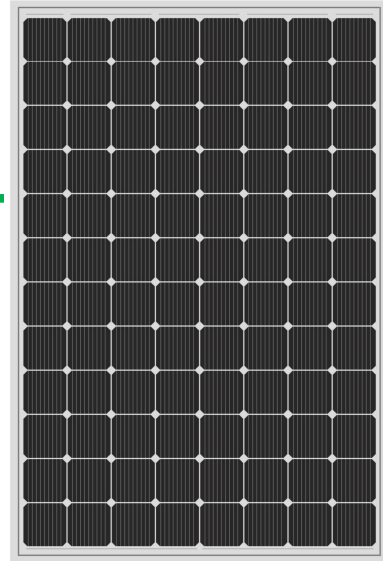


520W-540W



96 CELL

MONOCRYSTALLINE MODULE

520W-540W

POWER OUTPUT RANGE

20.6%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



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

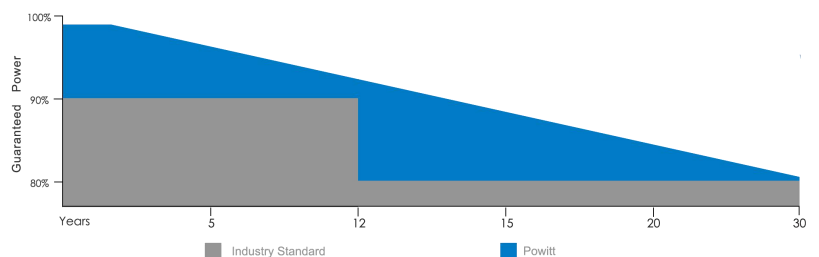
CERTIFICATION



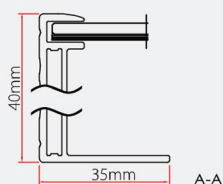
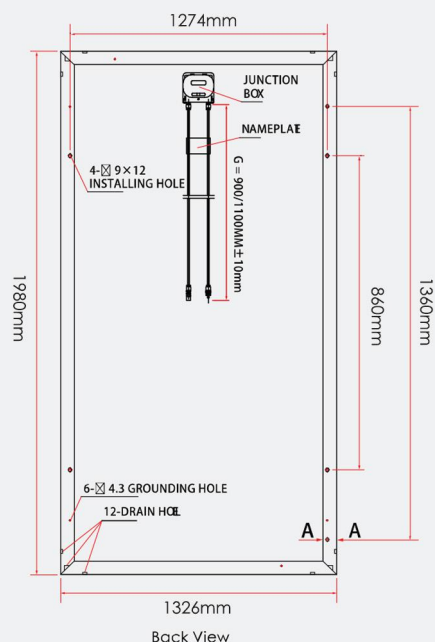
www.powitt.com

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 30 Year Linear Power Warranty

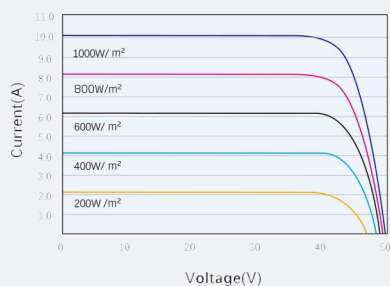


DIMENSIONS OF PV MODULES

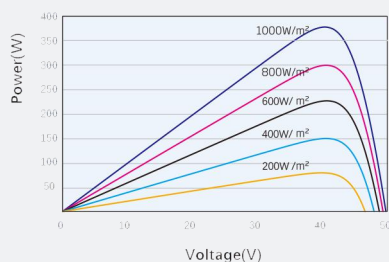


Back View

I-V CURVES OF PV MODULE



P-V CURVES OF PV MODULE



ELECTRICAL DATA @STC

	PW-96M-520	PW-96M-525	PW-96M-530	PW-96M-535	PW-96M-540
Peak Power Watts-Pmax(Wp)	520	525	530	535	540
Power Output Tolerance-Pmax(W)	0~+5	0~+5	0~+5	0~+5	0~+5
Maximum Power Voltage-Vmpp(V)	51.8	52	52.2	52.4	52.6
Maximum Power Current-Impp(A)	10.04	10.1	10.15	10.21	10.27
Open Circuit Voltage-Voc(V)	62.7	62.9	63.1	63.3	63.5
Short Circuit Current-Isc(A)	10.6	10.67	10.72	10.78	10.85
Module Efficiency (%)	19.8	20	20.2	20.4	20.6

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-96M-520	PW-96M-525	PW-96M-530	PW-96M-535	PW-96M-540
Peak Power Watts-Pmax(Wp)	392	396	400	404	408
Maximum Power Voltage-Vmpp(V)	49.21	49.30	49.60	49.80	50.00
Maximum Power Current-Impp(A)	7.54	7.60	7.66	7.72	7.76
Open Circuit Voltage-Voc(V)	48.00	48.20	48.50	48.70	48.90
Short Circuit Current-Isc(A)	8.02	8.09	8.16	8.22	8.26

NOCT: Irradiance at 800 W/m², Ambient temperature 20 °C, Wind speed 1m/s

MECHANICAL DATA

Solar Cells	Square Mono PERC 158.75x158.75mm
Number of Cells	96cells(8x12)
Module Dimensions	1980 x 1326 x 40mm
Weight	26 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 Pmax	-0.36 %/°C
Temperature Coefficient of Voc	-0.28 %/°C
Temperature Coefficient of Isc	+0.048 %/°C

MAXIMUM RATINGS

Operational Temperature	-40°C to 85 °C
Maximum System Voltage	1000V
Max Series Fuse Rating	20A
Mechanical Load	5400PA
Wind Load	2400PA

PACKGING CONFIGURATION

Module per box:	26pieces
Module per 40' container:	572pieces

WARRANTY

12 year workmanship warranty
30 year linear performance warranty

(Please refer to product warranty for details)