

SOLAR MODULE

Monocrystalline

50W

PowittSolar

High Conversion Efficiency
Power Tolerance 0~+3%
Outstanding Performance in Low-Light Irradiance Environments

Specifications

Model Type	PW-50M
Peak Power(Pmax)	50W
Maximum Power Voltage(Vmp)	18.36V
Maximum Power Current(Imp)	2.73A
Open Circuit Voltage(Voc)	22.04V
Short Circuit Current(Isc)	2.90A
Module Efficiency(%)	17.5%
Maximum System Voltage(V)	1000V
Maximum Series Fuse Rating(A)	10A
Power Tolerance	0~+3%
Operating Temperature (°C)	-40~+85
Standard Test Condition(STC)	1000W/m ² ; AM 1.5;25 ±2°C

Mechanical Characteristics

Cell Type	Mono158.75x40
NO. of Cells	3x12=36
Dimensions	540x530x25mm
Weight	4Kg
Front Glass	3.2mm tempered glass
Frame	Silvery/Black Anodized aluminium alloy
Junction Box	IP65/IP67
Cables	NA, but MC4 and MC4 Compatible are acceptable
Package Configurations	10pcs/carton

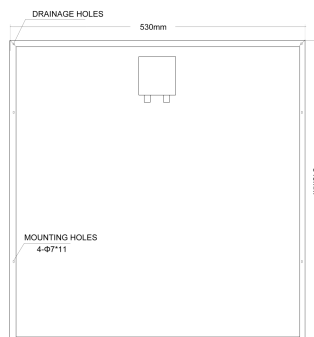
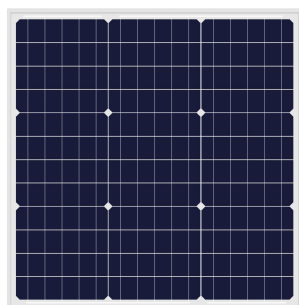
Temperature Ratings(STC)

Temperature Coefficients of Isc	+0.06%
Temperature Coefficients of Voc	-0.32%
Temperature Coefficients of Pmp	-0.45%

Mechanical Loading

Front Side Maximum Static Loading	5400PA
Back Side Maximum Static Loading	2400PA
Application Grade	Class A

Design



Warranty

10 years warranty on product materials
10 years 90% of Min rated output power
25 years 80% of Min rated output power
IEC 61215, IEC 61730
SGS-TUV, CE, ISO



Powitt Solar

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