

MSPC50AS-18

50Wp Poly-Crystalline Solar Module

MünchenSolar

MAXIMALENERGIE

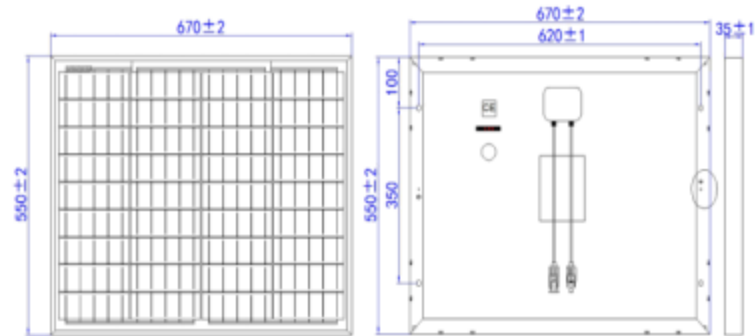


Manufacturer of high quality module



Engineering drawing

Unit:mm



Key Features



Plus power tolerance:+3%



Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust



Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity



Best Quality



Junction box and bypass diodes guarantee the modules free of overheating and “hot spot effect”



100% EL double-inspection ensures modules are defects free



Mechanical characteristics

Cell Type	Poly-crystalline 156.75x51
Number of cells	36pcs(4x9)
Module Dimensions	550x670x35 mm
Module weight	4.2 kg
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	S=2.5mm ² /L=500mm
Junction box	IP67 with bypass-diode
Fire Safety Class	Class C (IEC61730)



Electrical Performance

Module Type	MSPC50AS-18	
Power output	50W	
Power output tolerances	%	0~+3
Module efficiency	%	13.5
Voltage at Pmax	V	18.17
Current at Pmax	A	2.75
Open circuit voltage	V	22.24
Short circuit current	A	2.98
Cells efficiency	%	17.6
Operating temperature	°C	-40 ~ +85



Thermal characteristics

Nominal operating cell temperature	°C	45 ± 2
Temperature coefficient of Pmax	% / °C	-0.37
Temperature coefficient of Voc	% / °C	-0.30
Temperature coefficient of Isc	% / °C	+0.04



Electrical characteristics

