

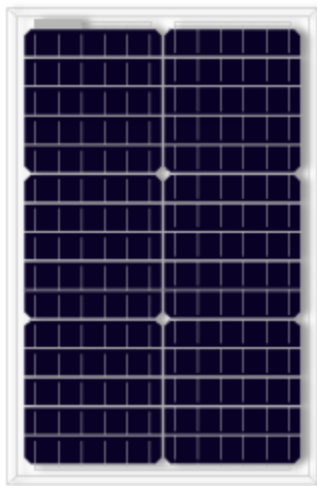
MSMC30AS-18

30Wp Mono-Crystalline Solar Module

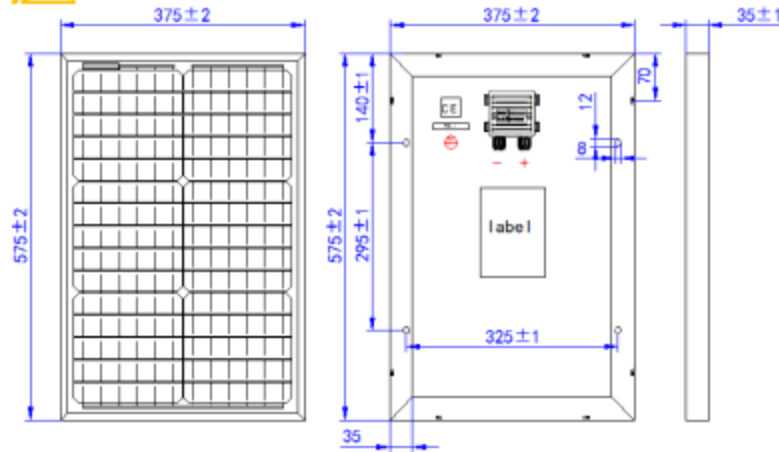
MünchenSolar
MAXIMALENERGIE



Manufacturer of high quality module



Engineering drawing



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	Mono-crystalline 166x33.2mm
Number of cells	30pcs(2x15)
Module Dimensions	575x375x35 /30 mm
Module weight	2.4 kg
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP67 with bypass-diode
Bypass Diode Rating	6 A
Application class	Class A
Fire Safety Classification	Class C (IEC61730)



Electrical Performance

Module Type	MSMC30AS-18	
Power output	30W	
Power output tolerances	%	0~+3
Module efficiency	%	14
Voltage at Pmax	V	17.58
Current at Pmax	A	1.71
Open circuit voltage	V	21.46
Short circuit current	A	1.78
Cells efficiency	%	21%
Operating temperature	°C	-40 ~ +85



Thermal characteristics

Nominal operating cell temperature	°C	45 ± 2
Temperature coefficient of Pmax	% / °C	-0.35
Temperature coefficient of Voc	% / K	-0.27
Temperature coefficient of Isc	% / °C	+0.03



Electrical characteristics

