

SOLAR MODULE SPM420/108

CHARACTERISTICS

- Particularly high rated power and average efficiency
- Anti-reflective and dirt-repellent surface reduces power loss due to debris and foreign objects
- Excellent performance even with low light intensity
- Withstands particularly high wind and snow loads

GENERAL

Type	Unit	Value
Dimensions (W x D x H)	mm	1722 x 1134 x 30
weight	kg	22.1
Number of cells		108
Cell size	mm	182 x 91
Cell material		Monocrystalline
IP class Junction box		IP68
Plug connection		MC compatible / MC4 original
Load	Pa	2400 (bottom), 5400 (top)
Glass		Highly transparent solar glass
Glass thickness	mm	3.2
Rear side		Black colour
Frame material		Anodised aluminium alloy
Frame colour		Black-Silver
Cable cross-section	mm ²	4.0
Cable length	mm	300
Number of diodes		3
Temperature coefficient of I _{sc}	% / °C	+0.048
Temperature coefficient of V _{oc}	% / °C	-0.270
Temperature coefficient of P _{MAX}	% / °C	-0.350
Max. System voltage	V	1500 DC
Max. Value Series fuse	A	25



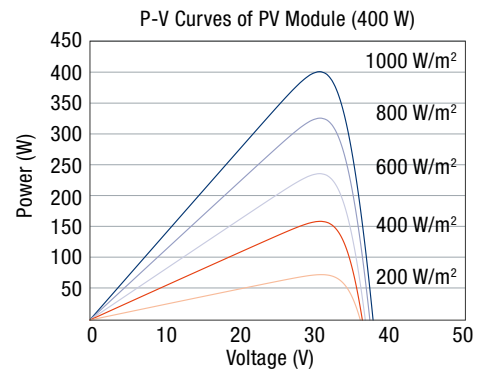
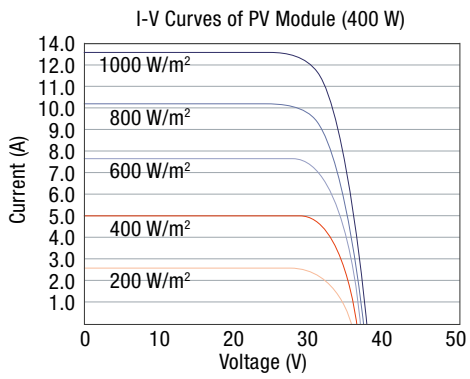
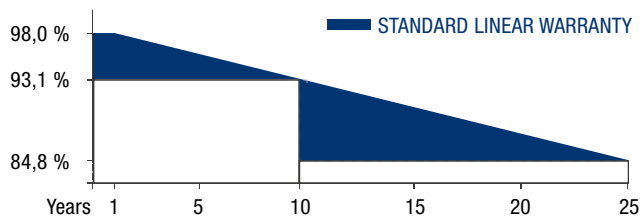
Type	Unit	Value (STC)
Max. power	Wp	420
Rated voltage	V	32.01
Rated current	A	13.13
Open circuit voltage (V _{oc})	V	37.87
Short-circuit current (I _{sc})	A	14.02
Tolerance	W	0 – 5
Efficiency	%	21.51
Operating temperature	°C	-40 – +85

Type	Unit	Value (NOTC)
Max. power	Wp	318
Rated voltage	V	29.60
Rated current	A	10.74
Open circuit voltage (V _{oc})	V	35.60
Short-circuit current (I _{sc})	A	11.28
Nominal cell operating temperature	°C	44 ± 2

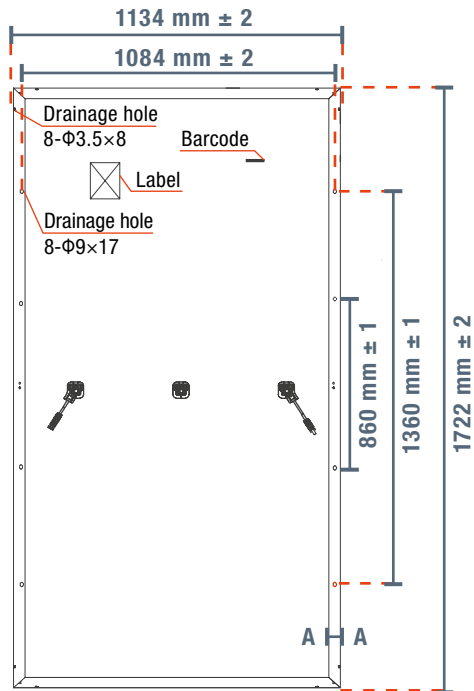


STC: Electrical values under standard test conditions: 1000 W/m², cell temperature 25 °C, Spectrum AM 1.5
 NOCT: Electrical values under standard conditions: 800 W/m², outside temperature 20 °C, wind speed 1 m/s

LINEAR PERFORMANCE WARRANTY



MODULE DIMENSION



BACK VIEW

