

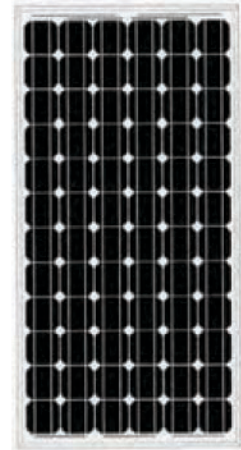
MAS-11-72M-175 SERIES

MAS-01-72M-180 MAS-01-72M-175 MAS-01-72M-170

Monocrystalline Silicon Solar Module

Specifications

Cell	Monocrystalline silicon solar cells 125mm×125mm
No. of cells and connections	72 (6×12)
Dimension	1580×808×35 (mm)
Weight	15.6kg



Limits

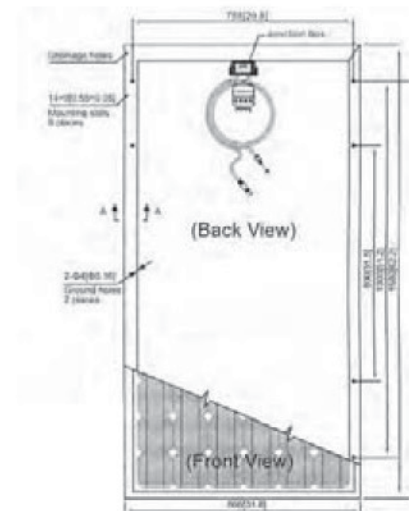
Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC

Temperature and Coefficients

NOCT	48°C±2°C	
Current temperature coefficient	%/K	0.06±0.01
Voltage temperature coefficient	mV/K	-(155±10)
Power temperature coefficient	%/K	-(0.5±0.05)

NOCT: Nominal Operation Cell Temperature

Blueprint of the module



Characteristics

Model	CJE-11-72M-180	CJE-11-72M-175	CJE-11-72M-170
Open circuit voltage(Voc)	44.8V	44.3V	43.8V
Optimum operating voltage(Vmp)	36V	35.6V	35.2V
Short circuit current(Isc)	5.3A	5.2A	5.14A
Optimum operating current(Imp)	5A	4.92A	4.83A
Maximum power at STC (Pm)	180Wp	175Wp	170Wp
Full Factor(FF)	75.8%	75.6%	75.5%
Cells transfer efficiency	16.89%	16.36%	15.89%
Modules transfer efficiency	14.10%	13.70%	13.32%

STC: 1000W/m², 25°C, AM1.5

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