

MAS-11-36M-80 SERIES

MAS-11-36M-90 MAS-11-36M-85 MAS-11-36M-80

Monocrystalline Silicon Solar Module

Specifications

Cell	Monocrystalline silicon solar cells 125mm×125mm
No. of cells and connections	36 (4×9)
Dimension	1195×541×30 (mm)
Weight	8kg

Limits

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

Temperature and Coefficients

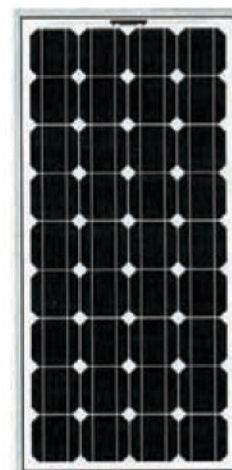
NOCT	48°C±2°C	
Current temperature coefficient	%/K	0.06±0.01
Voltage temperature coefficient	mV/K	-(155±10)
Power temperature coefficient	%/K	-(0.5±0.05)

NOCT: Nominal Operation Cell Temperature

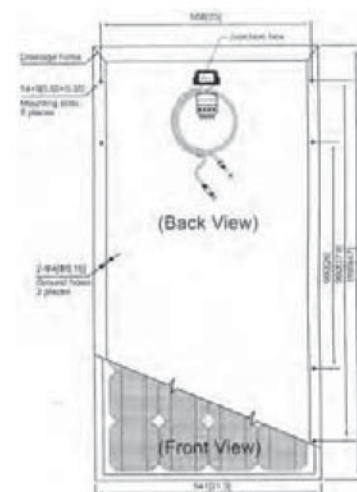
Characteristics

Model	CJE-11-36M-90	CJE-11-36M-85	CJE-11-36M-80
Open circuit voltage(Voc)	22.4V	21.9V	21.6V
Optimum operating voltage(Vmp)	18V	17.6V	17.2V
Short circuit current(Isc)	5.3A	5.14A	5A
Optimum operating current(Imp)	5A	4.83A	4.65A
Maximum power at STC (Pm)	90Wp	85Wp	80Wp
Full Factor(FF)	75.8%	75.5%	74.1%
Cells transfer efficiency	16.89%	15.89%	15.01%
Modules transfer efficiency	13.93%	13.15%	12.37%

STC: 1000W/m², 25°C, AM1.5



Blueprint of the module



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