

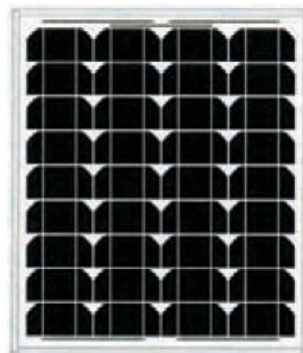
MAS-13-36M-40 SERIES

MAS-13-36M-45 MAS-13-36M-43 MAS-13-36M-40

Monocrystalline Silicon Solar Module

Specifications

Cell	Monocrystalline silicon solar cells 125mm×62.5mm
No. of cells and connections	36 (4×9)
Dimension	630×541×28 (mm)
Weight	5.5kg



Limits

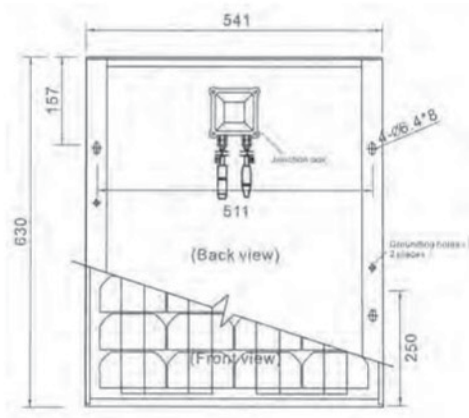
Operating temperature	-40 to +85°C
Maximum system voltage	715V DC

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-13-36M-45	CJE-13-36M-43	CJE-13-36M-40
Open circuit voltage(Voc)	22.3V	22.0V	21.8V
Optimum operating voltage(Vmp)	17.9V	17.6V	17.2V
Short circuit current(Isc)	2.61A	2.53A	2.52A
Optimum operating current(Imp)	2.51A	2.42A	2.33A
Maximum power at STC (Pm)	45Wp	43Wp	40Wp
Full Factor(FF)	77.2%	76.5%	76.5%
Cells transfer efficiency	16.75%	16.01%	15.00%
Modules transfer efficiency	13.20%	12.60%	11.70%

STC: 1000W/m², 25°C, AM1.5

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