

MAS-11-96M-220 SERIES

MAS-11-96M-240 MAS-11-96M-230 MAS-11-96M-220

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

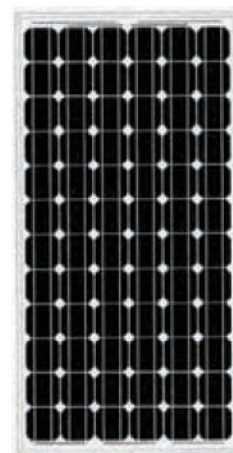
NOCT	48°C±2°C	
Current temperature coefficient	%/K	0.06±0.01
Voltage temperature coefficient	mV/K	-(155±10)
Power temperature coefficient	%/K	-(0.5±0.05)

NOCT: Nominal Operation Cell Temperature

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



Blueprint of the module

