

# MAS-12-72P-280 SERIES

MAS-12-72P-280 MAS-12-72P-270 MAS-12-72P-260

Polycrystalline Silicon Solar Module

## Specifications

Cell	Polycrystalline silicon solar cells 156mm×156mm
No. of cells and connections	72 (6×12)
Dimension	1956×992×50 (mm)
Weight	23kg

## Limits

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

## Temperature and Coefficients

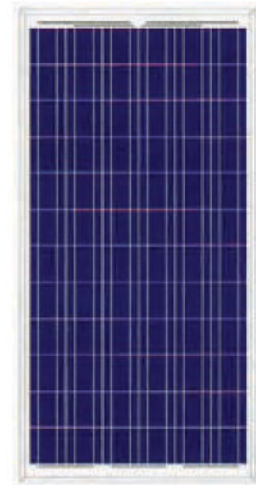
NOCT	48°C±2°C	
Current temperature coefficient	%/K	0.06±0.01
Voltage temperature coefficient	mV/K	-(155±10)
Power temperature coefficient	%/K	-(0.5±0.05)

NOCT: Nominal Operation Cell Temperature

## Characteristics

Model	CJE-12-72P-280	CJE-12-72P-270	CJE-12-72P-260
Open circuit voltage(Voc)	43.8V	43.8V	43.6V
Optimum operating voltage(Vmp)	35.2V	35.2V	34.8V
Short circuit current(Isc)	8.3A	8.1A	7.9A
Optimum operating current(Imp)	7.95A	7.67A	7.47A
Maximum power at STC (Pm)	280Wp	270Wp	260Wp
Full Factor(FF)	77%	76.1%	75.5%
Cells transfer efficiency	15.98%	15.41%	14.84%
Modules transfer efficiency	14.43%	13.91%	13.40%

STC: 1000W/m<sup>2</sup>, 25°C, AM1.5



Blueprint of the module

