

PHOTOVOLTAIC MODULES

MJE Series

PV-MJE275FB 275Wp

PV-MJE270FB 270Wp



1000V
system
voltage

Premium
Output
Warranty

10 Year
Product
Warranty

**Lead
Free
Solder**

**Installable
Near
Saltwater**

**Positive
Tolerance**

ADVANCED TECHNOLOGY

- 4 busbar monocrystalline cells
- Anti-reflective glass
- Optimum tab thickness
- Lead-free solder connections

LONG RELIABILITY

- Outstanding durability and protection against the elements allows the module to be installable even in high-saline areas*
- Stronger improved frame allows the module to be fastened using the short frame sides
- Passed IEC static load test of 5400Pa
- Frame has a protective double layer of corrosion-resistant coating
- 4-layer protective junction box
- 10 year product warranty

*Excluding areas in which the module is directly exposed to salt water.

MITSUBISHI ELECTRIC QUALITY

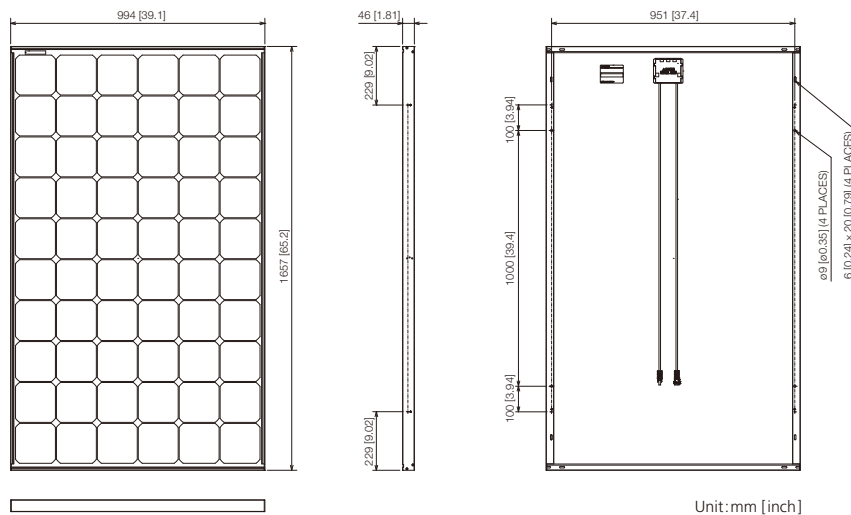
- Highly automated production lines ensure a stable level of high quality for every module
- Cells are matched for uniformity before module assembly
- Every single module is sorted and labeled for positive tolerance only
- Our 25 year premium warranty covers 93% of the nominal output for the first 10 years, then 80% for the remaining 15 years
- Warranties and customer service all backed by one of the largest and most stable electronics manufacturers in the world

SPECIFICATIONS SHEET

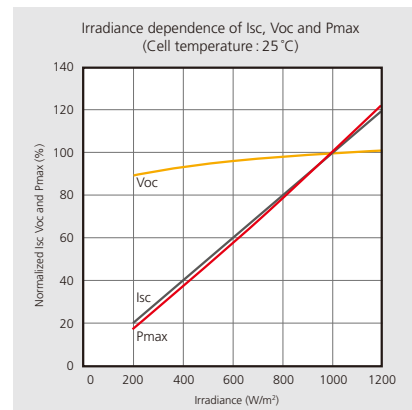
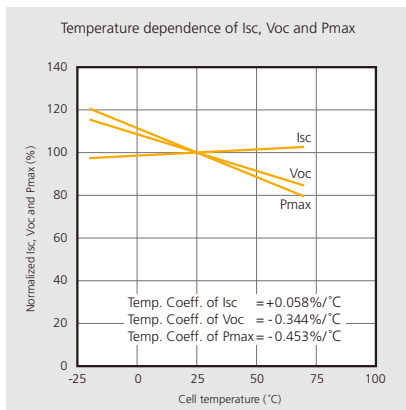
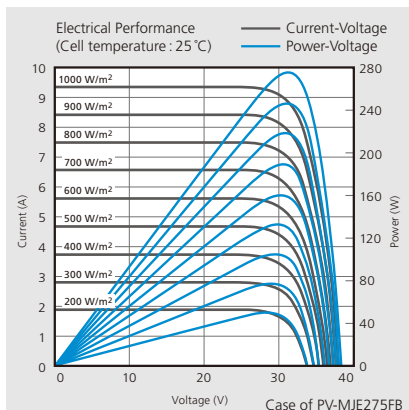
	PV-MJE270FB	PV-MJE275FB
Model name	PV-MJE270FB	PV-MJE275FB
Cell type	Mono crystalline silicon, 156.75mm x 156.75mm	
Number of cells	60 cells	
Performance at STC*		
Maximum power rating (Pmax)	270W	275W
Warranted minimum Pmax	270.0W	275.0W
Tolerance of Pmax	+5 / -0%	
Open circuit voltage (Voc)	38.2V	38.3V
Short circuit current (Isc)	9.23A	9.36A
Maximum power voltage (Vmp)	31.1V	31.3V
Maximum power current (Imp)	8.69A	8.79A
Performance at NOCT (at 800W/m ²)		
Maximum power rating [Pmax]	196W	199W
Open circuit voltage [Voc]	34.9V	35.0V
Short circuit current [Isc]	7.47A	7.58A
Maximum power voltage [Vmp]	27.9V	28.1V
Maximum power current [Imp]	7.01A	7.09A
Normal operating cell temperature (NOCT)	46.0°C	
Maximum system voltage	1000V	
Fuse rating	15A	
Dimensions	1657 x 994 x 46mm	
Weight	19kg	
Output terminal	(+) 1175mm / (-) 1175mm with SMK connector (PV-03)	
Module efficiency	16.4%	16.7%
Packing condition	22 pcs / 1 pallet	
Certificates	IEC 61215 Second Edition, IEC 61730, UL1703	
Temperature Coefficient		
α (Isc) 0.058%/°C		
β (Voc) -0.344%/°C		
γ (Pmax) -0.458%/°C		

*STC (Standard Test Condition): 1000W/m² irradiance in the plane of module, module temperature 25°C, and a spectral distribution of irradiation according to air mass (AM) 1.5

DRAWINGS AND DIMENSIONS



ELECTRICAL CHARACTERISTICS



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