

PV-MF165EB3 (165Wp)

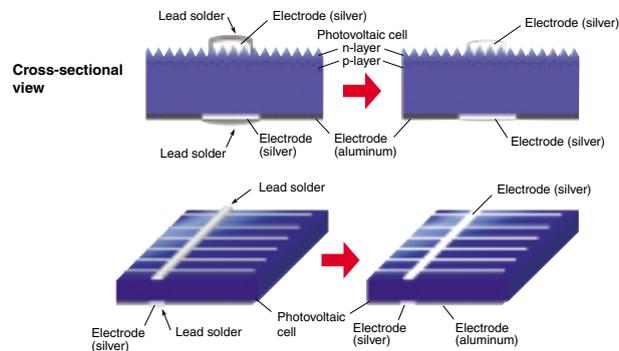
Lead-Free Solder

Mitsubishi Electric PV Module

First volume production of solderless cells in Japan*

By developing environmentally friendly composite materials and manufacturing processes for silver electrodes used on the surface of crystalline silicon photovoltaic cells, Mitsubishi Electric has succeeded in producing Japan's first cells that do not require a solder coating.

Lead-free solder photovoltaic module solderless cell configuration

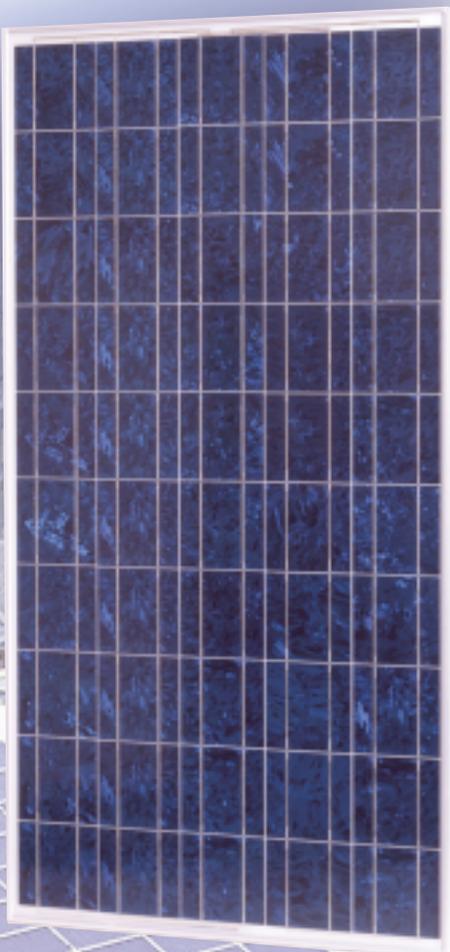


First volume production of lead-free solder modules in Japan*

Mitsubishi Electric now uses lead-free solder for the solder and solder plating members used in our cell modularization process.

*As of January 2003. First among Japanese crystalline silicon photovoltaic cell manufacturers.

PHOTOVOLTAIC MODULE



- Designed for both commercial and domestic applications suitable for grid-connected systems, the module offers both high performance and reliability.
- The polycrystalline photovoltaic module is manufactured to the strictest engineering guidelines, ensuring all modules meet the strict requirements of international quality standards.
UL 1703/IEC 61215/TÜV Safety Class II
- High power output is achieved using 150mm square polycrystalline silicon cells, thereby achieving greater output due to the high coverage area of the individual cells. Each cell string is protected by sheets of ethylene vinyl acetate (EVA) and laminated between a weatherproof backing film and a highly transmissive, highly impact-resistant, tempered glass and light can be effectively converted to electricity by using an anti-reflection coating.
- The clear anodized aluminium alloy frames are robust and corrosion resistant.
- Bypass diode minimizes power decrease caused by shade.
- Frame holes make installation flexible.



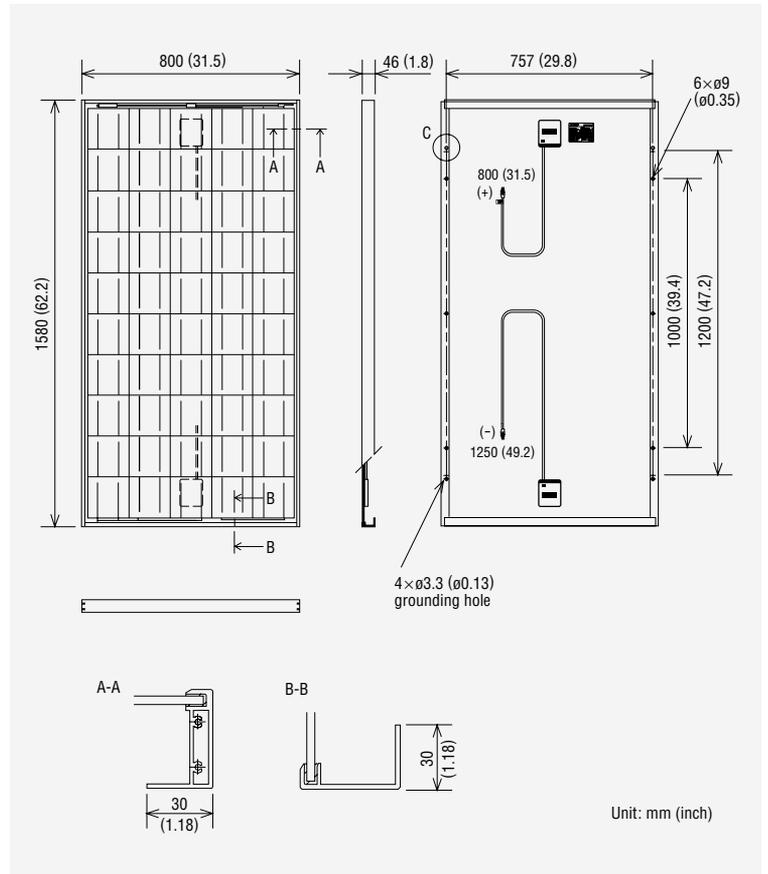
Cables with MC connectors are affixed to a junction box and facilitate excellent workability.

SPECIFICATIONS

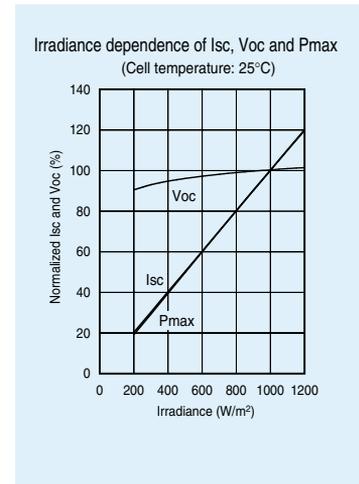
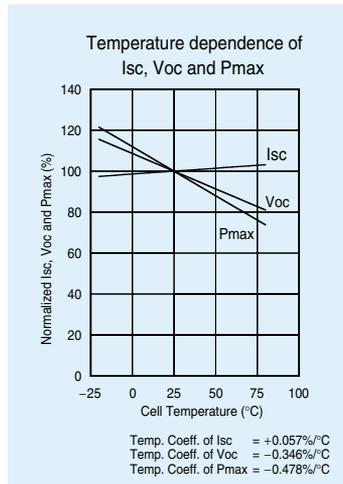
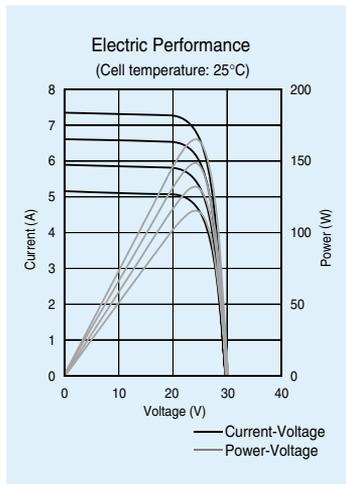
Model name	PV-MF165EB3
Cell type	Polycrystalline silicon
No. of cells	50 in series
Maximum power rating [Pmax]	165W
Warranted minimum Pmax	156.8W
Open circuit voltage [Voc]	30.4V
Short circuit current [Isc]	7.36A
Maximum power voltage [Vmp]	24.2V
Maximum power current [Imp]	6.83A
Maximum system voltage	DC 780V
Fuse rating	15A
Output terminal	Cable with MC connector
Dimensions	1580×800×46mm (62.2×31.5×1.8")
Weight	15.5kg (34.2 lb)
Module efficiency	13.1%
Packing condition	2 pcs - 1 carton

Electric performance represents values under Standard Test Conditions (STC:25°C, AM1.5, 1000W/m²). Specifications are subject to change without notice.

DRAWINGS AND DIMENSIONS



ELECTRICAL CHARACTERISTICS



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