

EE5 series PV-EE130MF5F 130Wp

Photovoltaic Modules

Mitsubishi Electric is a global leader in providing superior-quality photovoltaic modules to businesses and residences around the world. With more than 35 years experience in the photovoltaic industry, we manufacture products that are designed and built for optimal efficiency and reliability. With a name like Mitsubishi Electric, you can be sure you're getting the best.

Excellent Workmanship

For more than three decades, we have been perfecting our PV modules to bring you the highest quality products possible. Superior craftsmanship, engineering excellence and attention to the finest detail ensure longevity and optimal performance.

- Flush-mounted frame screws reduce installation space
- Lower slope of module frame prevents accumulation of dust
- Straight tabs ensure integrity of electrical connections
- 25-year warranty guarantees power output

High Efficiency

Our modules are designed with high efficiency and high power output in mind to utilize limited space while giving you a higher return on investment.

- Power tolerance of +10/- 5%
- High power output in real life conditions
- Solder-free cells for increased efficiency
- Bypass diode maximizes power output in shaded conditions
- Back film and high-transmittance glass to aide in increased light absorption
- Operating voltage suitable for a 12V rechargeable battery

Safe and Durable

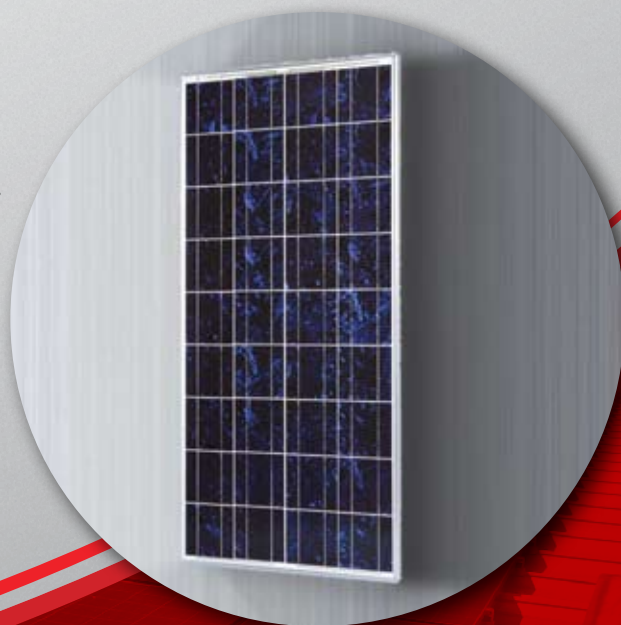
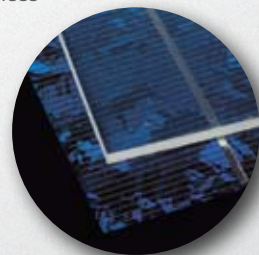
Engineered to withstand tough outdoor conditions, our modules are among the most durable in the industry. Designed for fast and easy installation, Mitsubishi Electric solar panels are lightweight and include the latest safety features like a flame-retardant j-box and tempered glass.

- Highly flame-retardant junction box for enhanced safety
- Lightweight (28.7 lbs) for a faster, safer installation
- Corrosion-resistant anodized frame
- Tempered glass for safety
- Modules support up to 2,400 Pa (50 lbf/ft²)

Eco-friendly

From our manufacturing process to our recyclable packaging, we have made a true commitment to protect the environment. For us, it's not just the end product that counts, but the entire production cycle.

- 100% lead-free solder in all of our modules
- ISO 14001 certified for eco-friendly manufacturing processes
- Minimal cardboard packaging and recyclable steel pallets



Technical Specifications

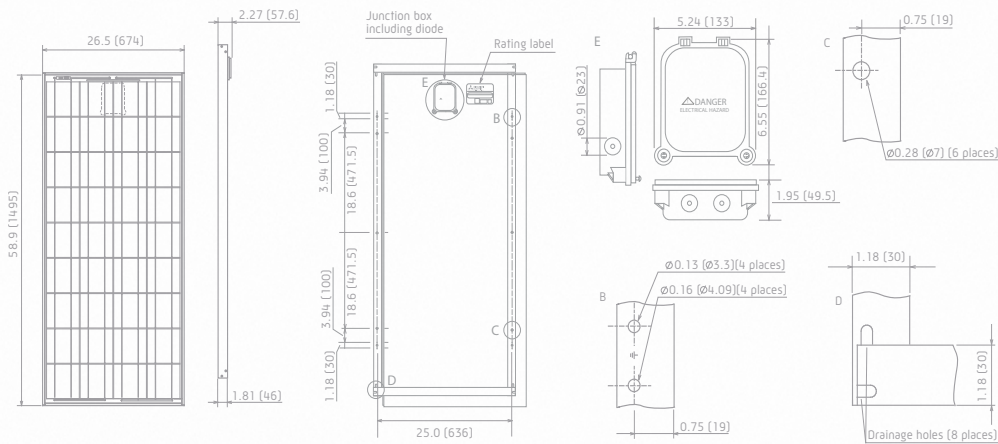
**MITSUBISHI
ELECTRIC**
SOLAR ELECTRIC INNOVATIONS

Mitsubishi Electric Photovoltaic Module

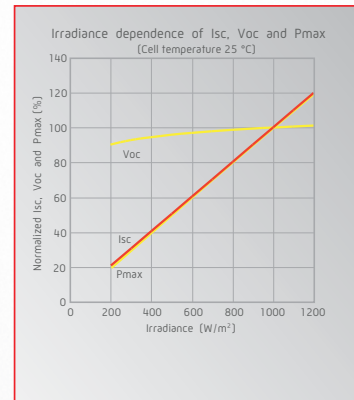
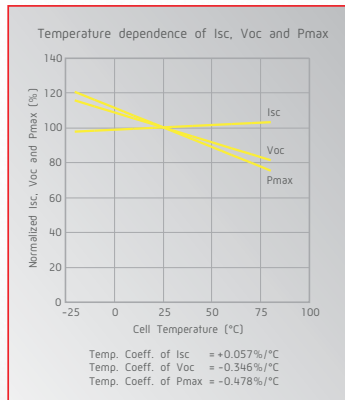
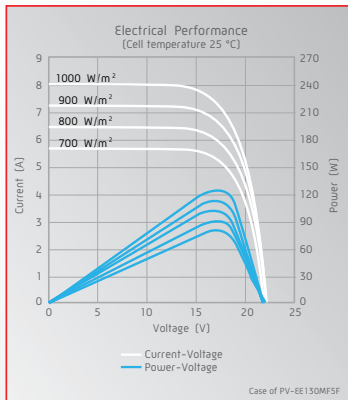
Specification Sheet

Manufacturer	MITSUBISHI ELECTRIC
Model name	PV-EE130MF5F
Cell type	Polycrystalline Silicon, 156 mm x 156 mm
Number of cells	36 cells in a series
Maximum power rating (P _{max})	130Wp
Warranted minimum P _{max}	123.5Wp
Tolerance of maximum power rating	+10/-5%
PV USA test condition rating (PTC)	TBD
Open circuit voltage (V _{oc})	21.9V
Short circuit current (I _{sc})	8.05A
Maximum power voltage (V _{mp})	17.4V
Maximum power current (I _{mp})	7.47A
Normal operating cell temperature (NOCT)	47.5 degree C
Maximum system voltage	DC 600V
Fuse rating	15A
Dimensions	58.9 x 26.5 x 1.81 inch (1495 x 674 x 46 mm)
Weight	28.7 lbs (13kg)
Static load test passed	2,400 Pa (50 lbf/ft ²)
Number of modules per pallet	16
Number of modules per container (40 ft. container)	736
Packing contents	2 pcs - 1 carton
Output terminal	Terminal Block, 4 conduit holes
Module efficiency	12.9%
Certifications	IEC61215 2nd Edition, UL 1703, IEC61730, ULC/ORD-C1703-1
Fire rating	Class C
Ambient temperature	-20 to 40 degrees C

Drawings and Dimensions Unit: inch (mm)



Electrical Characteristics



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