

MLU series

255Wp PV-MLU255HC

250Wp PV-MLU250HC

Photovoltaic Modules

Mitsubishi Electric is a global leader in providing superior-quality photovoltaic modules to businesses and residences around the world. With nearly 40 years experience in the photovoltaic industry, we manufacture products designed and built for optimal efficiency and reliability. With Mitsubishi Electric, you are getting the best.

High Power Output

Our modules are designed for high efficiency and high power output to utilize limited space while giving you a greater return on investment.

- Unique 4 bus bar, half-cut, monocrystalline cells increase efficiency
- Proprietary cell surface texturing process increases light absorption
- Anti-reflective glass traps more light, increasing module output
- Straight electrical tabs ensure integrity of electrical connections and increase current flow
- Cells matched for electrical uniformity produce high power output and reliability

High Reliability

Superior craftsmanship, engineering excellence, and attention to the finest detail ensure longevity and optimal performance.

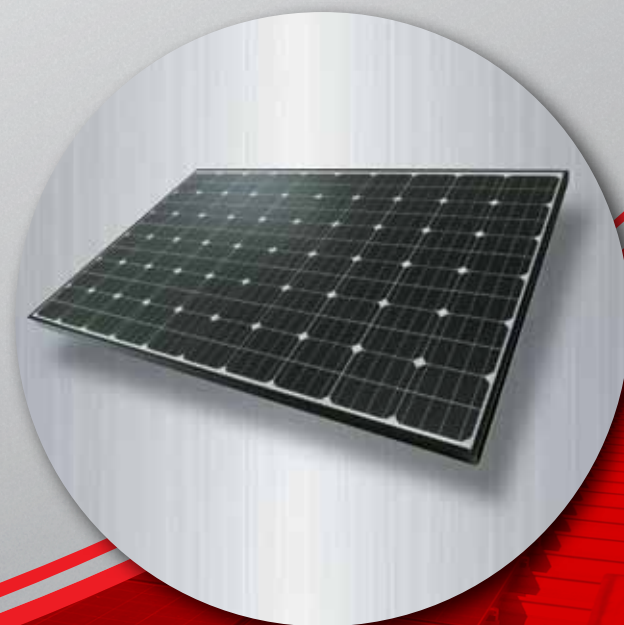
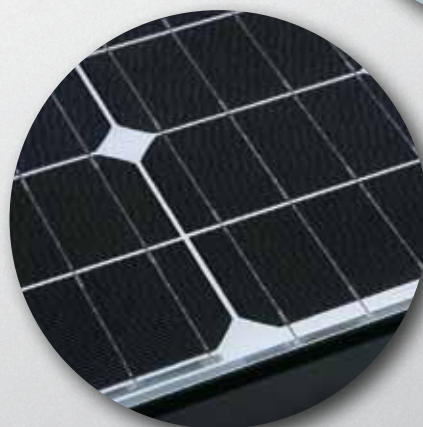
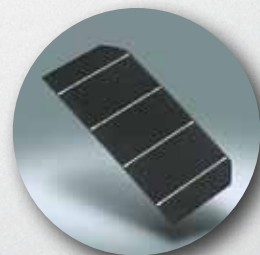
- Industry-first, 4-layer protective junction box reduces risk of failure from water or dust intrusion, enhancing reliability and safety
- Sturdy frame allows mounting in portrait or landscape orientations
- Exceptional engineering allows module installation next to saltwater
- Double layer of corrosion-resistant coating protects frame
- High static load rating of 5400Pa to endure high wind and snow loads
- Heat resistant diodes allow modules to operate under a wide variety of temperature conditions
- 25-year power output warranty

Mitsubishi Electric Quality

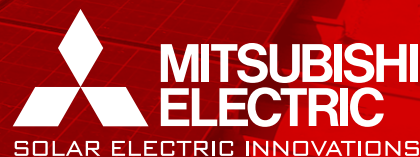
For more than three decades we have been perfecting our PV modules to bring you the highest quality products possible.

- Automated cell and module production lines ensure consistently high quality in every module
- Each cell and module flash tested to ensure rated level of output
- Aesthetically pleasing black frame and cells
- Lead-free solder protects health and the environment

monocrystalline



Technical Specifications

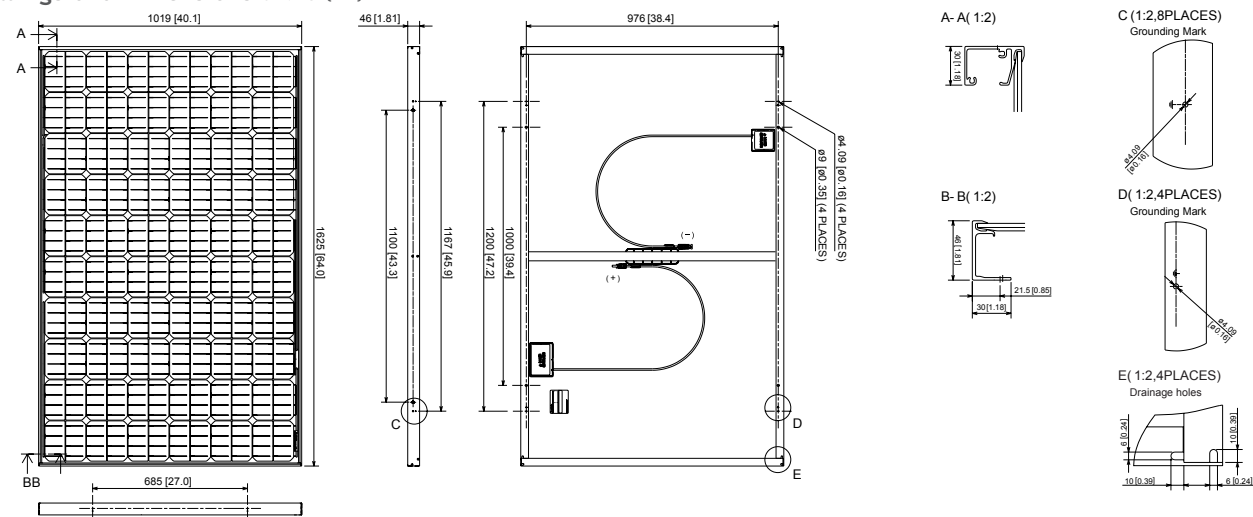


Mitsubishi Electric Photovoltaic Module

Specification Sheet

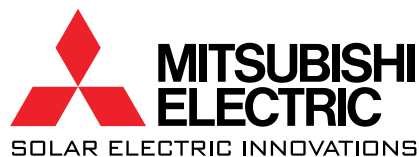
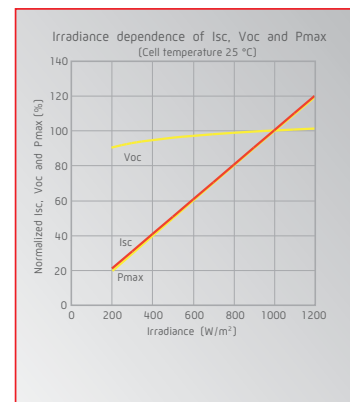
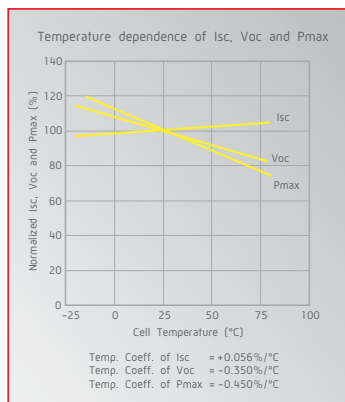
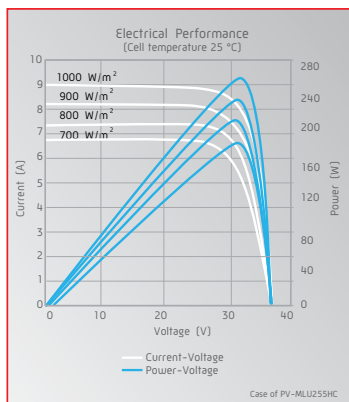
Manufacturer	MITSUBISHI ELECTRIC	
Model name	PV-MLU255HC	PV-MLU250HC
Cell type	Monocrystalline Silicon, 78mm x 156 mm	
Number of cells	120 cells	
Maximum power rating (P _{max})	255Wp	250Wp
Warranted minimum P _{max}	247.4Wp	242.5Wp
PV USA test condition rating (PTC)	230.5Wp	225.8Wp
Open circuit voltage (V _{oc})	37.8V	37.6V
Short circuit current (I _{sc})	8.89A	8.79A
Maximum power voltage (V _{mp})	31.2V	31.0V
Maximum power current (I _{mp})	8.18A	8.08A
Module efficiency	15.4%	15.1%
Aperture efficiency	16.7%	16.4%
Tolerance of maximum power rating	+3/-3%	
Static load test passed	5,400 Pa	
Number of bus bars per cell	4 Bus bars	
Normal operating cell temperature (NOCT)	45.7°C	
Maximum system voltage	DC 600V	
Fuse rating	15A	
Dimensions	64.0 x 40.1 x 1.81 inch [1625 x 1019 x 46 mm]	
Weight	44 lbs (20kg)	
Number of modules per pallet	20	
Number of modules per container (40 ft. container)	560	
Output terminal	[+] 800mm [-] 1250mm with MC connector (PV-KTB4/6 II-UR, PV-KST4/6 II-UR)	
Certifications	IEC 61215 2nd Edition, UL1703	
Fire rating	Class C	

Drawings and Dimensions



Electrical Characteristics

Unit:mm [inch]



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