

PHOTOVOLTAIC MODULES

MLE Series

PV-MLE275HD2 275Wp

PV-MLE270HD2 270Wp

PV-MLE265HD2 265Wp

1000V
system
voltage

Premium
Output
Warranty

10 Year
Product
Warranty

**Lead
Free
Solder**

**Installable
Near
Saltwater**

**Positive
Tolerance**



ADVANCED TECHNOLOGY

- Low-loss, half-cut cells
- 4 busbar monocrystalline cells
- Anti-reflective glass
- Optimum tab thickness
- Lead-free solder connections
- Selective emitter technology

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



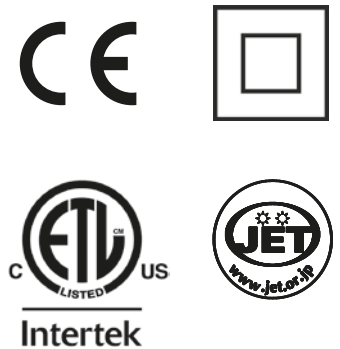
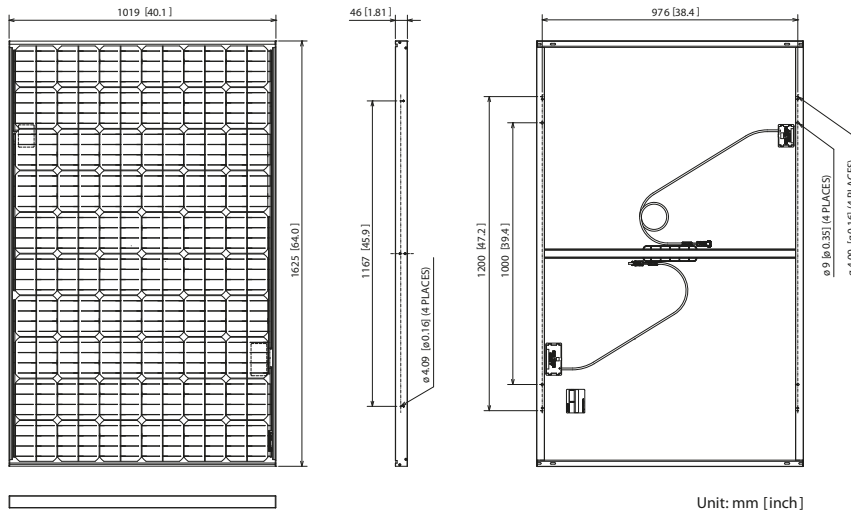
SPECIFICATIONS SHEET

Model name	PV-MLE265HD2	PV-MLE270HD2	PV-MLE275HD2
Cell type	Mono crystalline silicon, 78mm x 156mm		
Number of cells	120 cells		
Performance at STC *			
Maximum power rating (Pmax)	265W	270W	275W
Warranted minimum Pmax	265.0W	270.0W	275.0W
Tolerance of Pmax		-0 / +5%	
Open circuit voltage (Voc)	38.2V	38.4V	38.5V
Short circuit current (Isc)	9.08A	9.18A	9.28A
Maximum power voltage (Vmp)	31.7V	31.9V	32.1V
Maximum power current (Imp)	8.38A	8.48A	8.58A
Performance at NOCT (at 800W/m ²)			
Maximum power rating [Pmax]	191W	195W	199W
Open circuit voltage [Voc]	34.8V	35.0V	35.1V
Short circuit current [Isc]	7.35A	7.43A	7.51A
Maximum power voltage [Vmp]	28.3V	28.5V	28.7V
Maximum power current [Imp]	6.76A	6.84A	6.92A
Normal operating cell temperature (NOCT)	46.5 °C		
Maximum system voltage	1000V		
Fuse rating	15A		
Dimensions	1625x1019x46mm		
Weight	20kg		
Output terminal	(+) 800m m / (-) 1250mm with SMK connector (PV-03)		
Module efficiency	16.0%	16.3%	16.6%
Packing condition	2 pcs / 1 carton		
Certificates	IEC 61215 Second Edition, IEC 61730, UL1703		

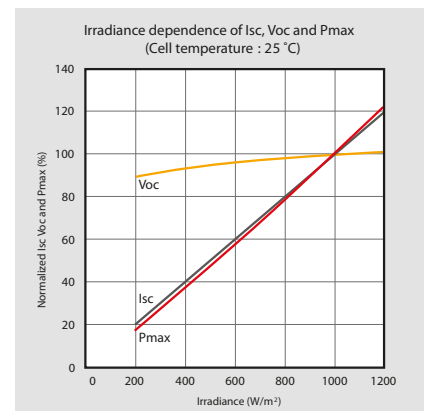
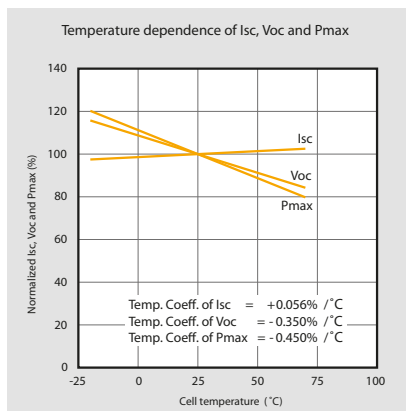
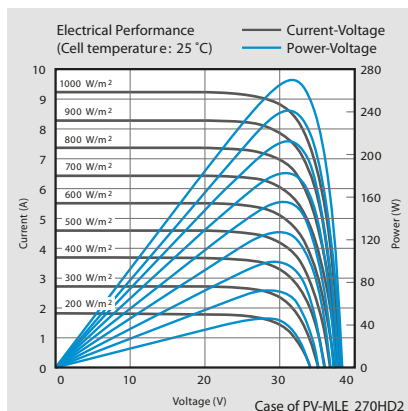
* STC (Standard Test Condition): 1000W/m² irradiance in the plane of module, module temperature 25 °C, and a spectral distribution of irradiation according to air mass (AM) 1.5

Temperature Coefficient
 $\alpha(Isc)$ 0.056 % / °C
 $\beta(Voc)$ -0.350 % / °C
 $\gamma(Pmax)$ -0.450 % / °C

DRAWINGS AND DIMENSIONS



ELECTRICAL CHARACTERISTICS



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