

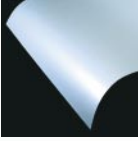
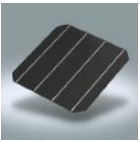
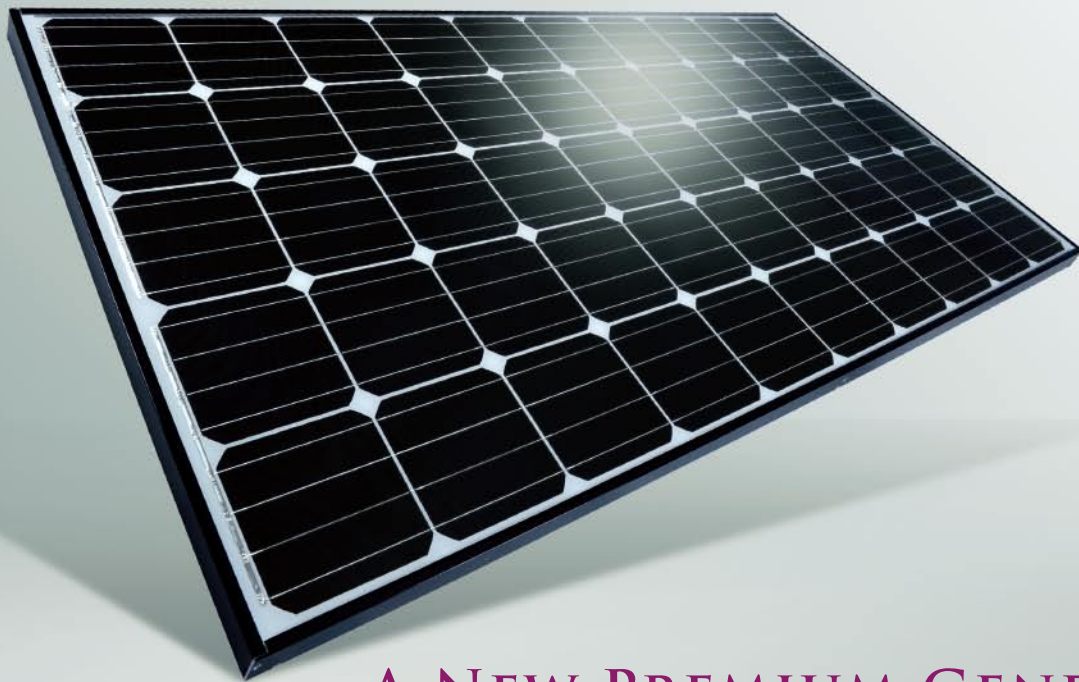
PHOTOVOLTAIC MODULES

MDT Series

PV-MDT205HB 205Wp

PV-MDT200HB 200Wp

PV-MDT195HB 195Wp



**A NEW PREMIUM GENERATION**

**ADVANCED TECHNOLOGY**

- 4 busbar monocrystalline cells
- Proprietary cell surface texturing process for greater light absorption
- Optimum tab thickness
- Highly reflective back film with wide cell pitch
- Lead-free solder connections



**LONG RELIABILITY**

- Outstanding durability and protection against the elements allows the module to be installable even in high-saline areas\*
- Passed IEC static load test of 5400Pa
- Frame has a protective double layer of corrosion-resistant coating
- 4-layer protective design junction box
- Highly heat-resistant diode



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

**MITSUBISHI ELECTRIC QUALITY**

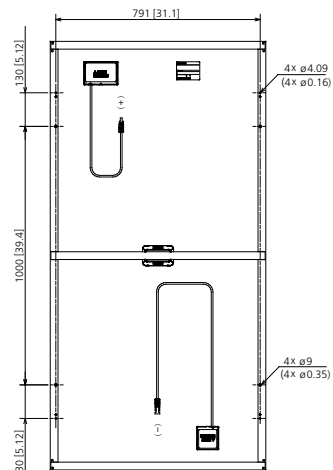
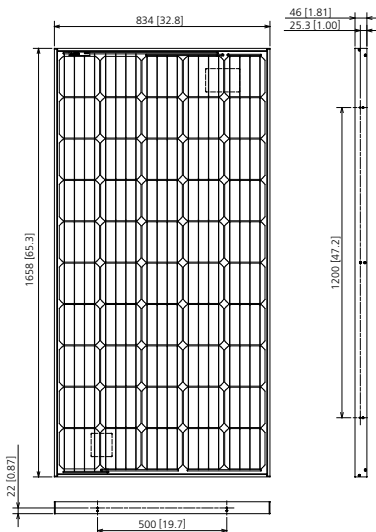
- All of our photovoltaic modules, from the cell to the module, are made in our own factories in Japan
- Highly automated production lines ensure a stable level of high quality for every module
- Cells are matched for uniformity before module assembly
- Each pair of modules is selected to have a higher average output power than the nominal value.

**SPECIFICATIONS SHEET**

Manufacturer	MITSUBISHI ELECTRIC		
Model name	PV-MDT205HB	PV-MDT200HB	PV-MDT195HB
Cell type	Monocrystalline silicon, 156mm x 156mm		
Number of cells	50 cells in a series		
Performance at STC			
Maximum power rating (Pmax)	205W	200W	195W
Warranted minimum Pmax	198.9W	194.0W	189.2W
Tolerance of maximum power rating		+/-3%	
Open circuit voltage (Voc)	31.0V	30.8V	30.6V
Short circuit current (Isc)	8.73A	8.60A	8.48A
Maximum power voltage (Vmp)	25.0V	24.8V	24.6V
Maximum power current (Imp)	8.20A	8.07A	7.94A
Normal operating cell temperature (NOCT)	47°C		
Performance at NOCT*			
Maximum power rating [Pmax]	148W	144W	141W
Open circuit voltage [Voc]	28.2V	28.0V	27.8V
Short circuit current [Isc]	7.07A	6.96A	6.87A
Maximum power voltage [Vmp]	22.5V	22.3V	22.1V
Maximum power current [Imp]	6.56A	6.46A	6.35A
Maximum system voltage	1000V		
Fuse rating	15A		
Dimensions	1658x834x46mm (65.3x32.8x1.81inches)		
Weight	17kg		
Output terminal	(+)-800mm/(-)-1250mm with MC connector (PV-KTB4/6II-UR, PV-KST4/6II-UR) Cable conforms with TÜV Specification 2 PfG 1169/08.2007		
Module efficiency	14.8%	14.5%	14.1%
Packing condition	2 pcs / 1 carton		
Certificates	IEC 61215 Second Edition, IEC 61730		
Product Warranty	5 years		
Output Warranty	90% of minimum rated Pmax for 10 years 80% of minimum rated Pmax for 25 years		

\*Measured at 800W/m<sup>2</sup>, ambient temp. 20°C, wind speed 1m/s

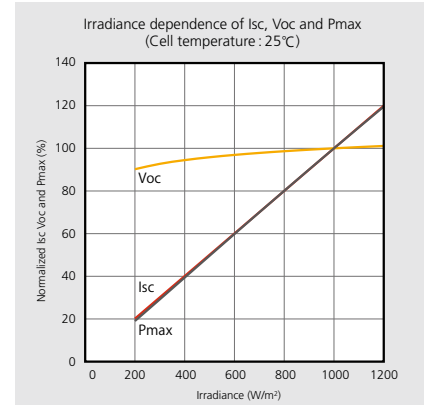
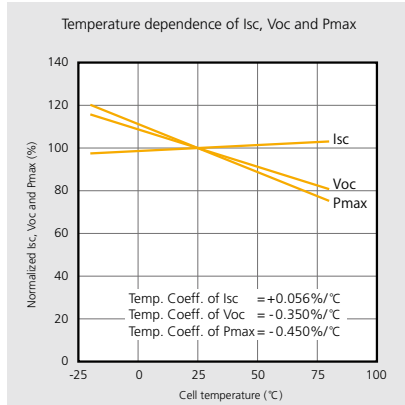
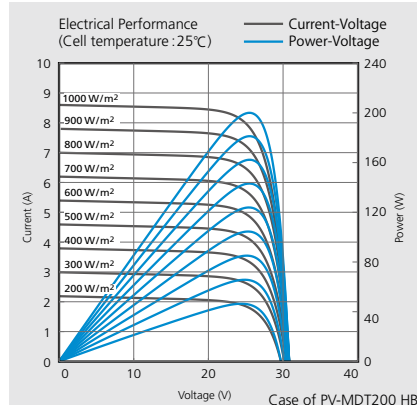
**DRAWINGS AND DIMENSIONS**



Unit:mm [inch]



**ELECTRICAL CHARACTERISTICS**



**MITSUBISHI ELECTRIC CORPORATION**  
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<http://www.mitsubishielectric.com/bu/solar/>