

PV-MF185UD4 185Wp
PV-MF180UD4 180Wp
PV-MF175UD4 175Wp
PV-MF170UD4 170Wp



F i r s t
I n
Q u a l i t y

High Efficiency

- Solder-Free Cells
- Fine Grid Electrodes
- BSF (Back Surface Field) Structure
- Anti-Reflective Coating
- Back Film Reflected Light
- Cerium-Free/High-Transmittance Glass
- High Power Output in Actual Use

High Reliability

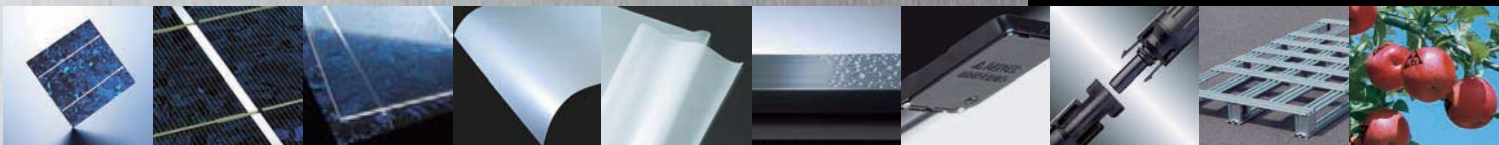
- Original Derating Design Concept
- Straight Tabs
- Double-Sided Independent Tabs
- Reliable Bus Bar
- Corrosion-Resistant Frame
- High Tensile Strength Structure
- Solid Frame Structure
- Tempered Glass
- Triple-Layer Structure Back Film

High Safety

- Triple-Layer Structure Junction Box
- Ultra Reliable Bypass Diode
- Locking Electrical Connectors
- Conforms to IEC 61215 and TUV Safety Class II Standards

Eco-Friendly

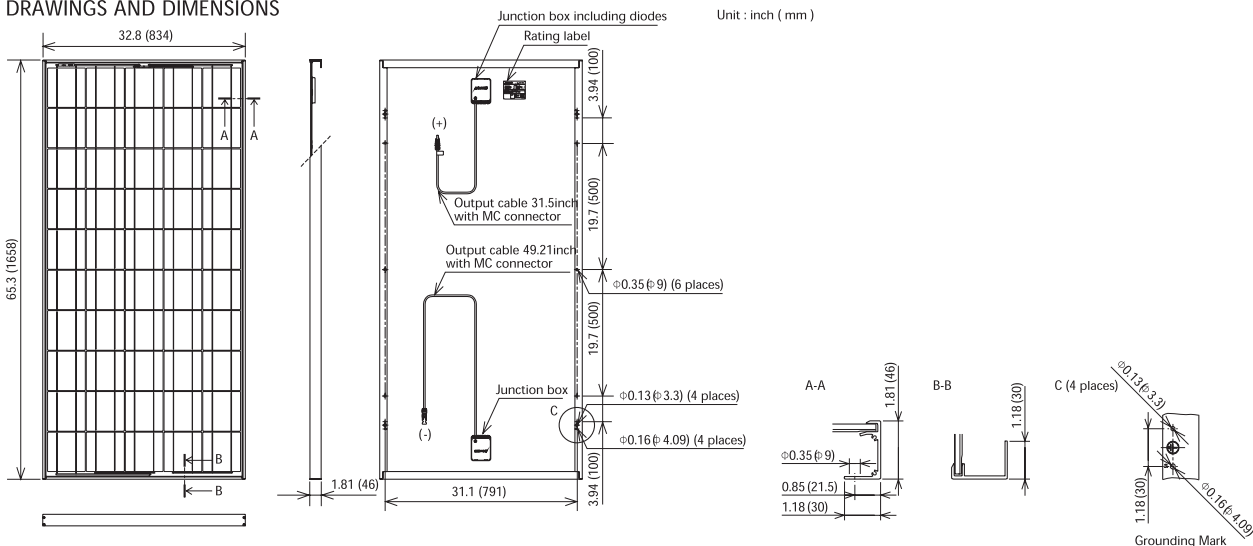
- Lead-Free Solder PV Modules
- Manufactured in an ISO 14001 Certified Plant
- Recyclable Steel Pallets



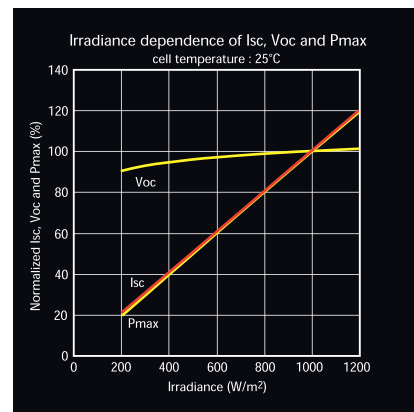
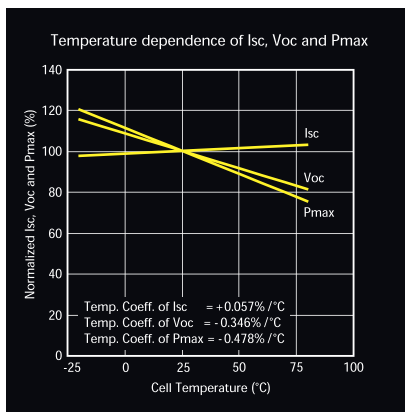
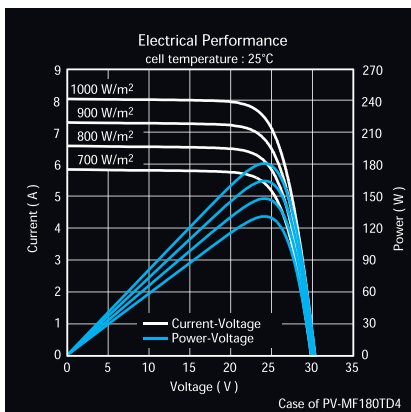
SPECIFICATIONS

| | | | | |
|-----------------------------|---|-------------|-------------|-------------|
| Manufacturer | MITSUBISHI ELECTRIC | | | |
| Model name | PV-MF185UD4 | PV-MF180UD4 | PV-MF175UD4 | PV-MF170UD4 |
| Cell type | Polycrystalline silicon, 156 x 156 mm square, Solder-coatingless | | | |
| Number of cells | 50 cells in a series | | | |
| Maximum power rating(Pmax) | 185W | 180W | 175W | 170W |
| Warranted minimum Pmax | 175.8W | 171.0W | 166.3W | 161.5W |
| Open circuit voltage (Voc) | 30.6V | 30.4V | 30.2V | 29.9V |
| Short circuit current (Isc) | 8.13A | 8.03A | 7.93A | 7.83A |
| Maximum power voltage (Vmp) | 24.4V | 24.2V | 23.9V | 23.7V |
| Maximum power current (Imp) | 7.58A | 7.45A | 7.32A | 7.19A |
| Tolerance at Pmax | Nominal value +10%, -5% | | | |
| Maximum system voltage | DC 600V | | | |
| Fuse rating | 15A | | | |
| Output terminal | (+) 31.5 inch (800mm) / (-) 49.21 inch (1250mm) with MC connector | | | |
| Dimensions | 65.3x32.6x1.81 inch (1658x834x46mm) | | | |
| Weight | 43.0 lbs. (19.5 kg) | | | |
| Module efficiency | 13.4% | 13.0% | 12.7% | 12.3% |
| Package Contents | 2 pcs - 1 carton | | | |
| Certifications | IEC 61215, UL1703 | | | |

DRAWINGS AND DIMENSIONS



ELECTRICAL CHARACTERISTICS



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