

FP250 SERIES

FP235WM FP240WM FP245WM FP250WM

WHY FURTHER POWER MODULE

- Antireflective coating and highly transparent solar glass maximizing energy yield
- Quality test during all manufacturing process. Only modules that achieve the designated nominal performance or greater in tests are dispatched
- High yield under weak light condition by using high efficient cells
- Industry leading module power output warranty
- Guaranteed average positive power output to ensure energy yield reliability

APPLICATION

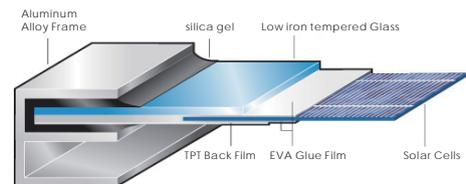
- Commercial/industrial building roof top system
- Residential roof top system
- Solar power plants
- Off-grid system
- Other grid-tied application

POWER WARRANTY

-  80% Power Output Warranty
-  90% Power Output Warranty
-  Material & Workmanship Warranty



Qualified, IEC61215
 Safety tested, IEC61730
 Periodic Inspection
 Power Controlled



Solar PV Module structure diagram



Modules are assembled with high quality, smooth aluminum alloy frames

ELECTRICAL DATA

| Model No. | FP-235WM | FP-240WM | FP-245WM | FP-250WM |
|------------------------------|-------------------------|----------|----------|----------|
| Maximum Power (Pmax) | 235Wp | 240Wp | 245Wp | 250Wp |
| Maximum Power Voltage (Vmp) | 29.9V | 30.1V | 30.3V | 30.5V |
| Maximum Power Current (Imp) | 7.867A | 7.97A | 8.08A | 8.20A |
| Open Circuit Voltage (Voc) | 37.2V | 37.4V | 37.6V | 37.6V |
| Short Circuit Current (Isc) | 8.33A | 8.44A | 8.56A | 8.69A |
| Power Tolerance (Wp) | ±3% | | | |
| Maximum System Voltage (Vdc) | 600V(UL) / 1000V(TUV)DC | | | |
| Maximum Rated Current Series | 15A | | | |

STANDARD TEST CONDITIONS (STC) - AM 1.5; IRRADIATION 1000W/M2; CELL TEMP. 25°C

CELL TECHNOLOGY AND MECHANICAL DATA

| | |
|------------------------------|--|
| Cells Type and Size | Monocrystalline 156 x 156 (6 inches) |
| Number and Array of Cell | 60pcs / 6 x 10 |
| Frame structure | Anodized Aluminum Alloy |
| Front glass and thickness | High transmitted, Low iron tempered Glass, 3.2mm |
| Junction Box | IP65 Rated |
| Connectors, Cable and Length | TUV1x4.0MM ² / UL12AWG; Length 900mm/1200mm |

THERMAL PERFORMANCE

| | |
|-------------------------------------|----------|
| Temp. coefficient of Pmax (%/) | -0.46 |
| Temp. coefficient of Voc (%/) | -0.36 |
| Temp. coefficient of Isc (%/) | 0.06 |
| Nominal operating Cell Tempt.(NOCT) | 45 ± 2°C |
| Operating and Storage Tempt. | -40+85 |

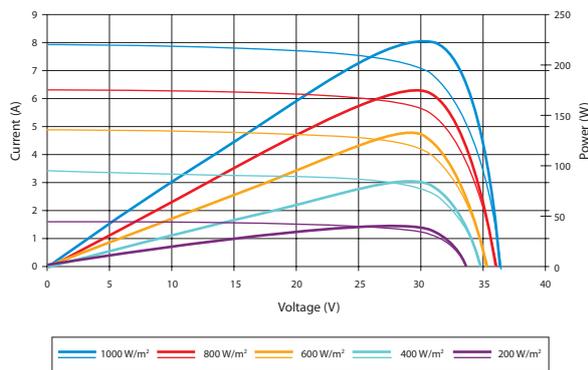
MODULE DIMENSIONS

| | |
|-------------|---------------------------------------|
| Module Size | 1650x992x45mm (64.96x39.06x1.77 inch) |
| Weight | 19Kg (41.9lbs) |

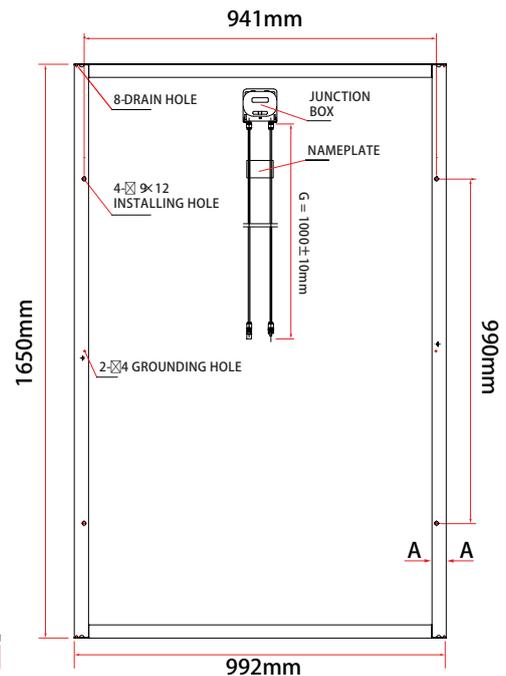
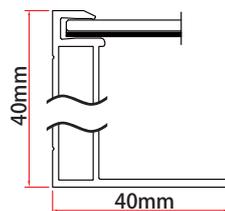
PACKING DATA

| Container | 40'HC | 40'GP | 20'GP |
|----------------------|-------|-------|-------|
| Quantity / Pallet | 46 | 40 | 40 |
| Quantity / Container | 644 | 560 | 240 |

Current-Voltage & Power-Voltage Curve



FURTHER POWER CO., LTD
 Tel +86 21 58170702
 Fax +86 21 51069190
 info@furtherpower.com
 www.furtherpower.com



Due to our continual improvements, the products covered by this brochure may be changed without notice

The date do not refer to a single module and they are not part of the offer, they only serve for comparison to different module type