



URECO

United Renewable Energy Co., Ltd.

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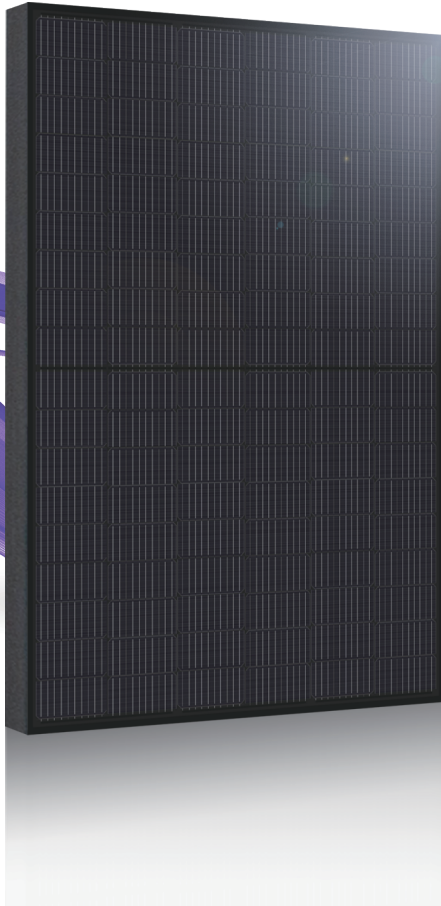


FBM_MFG-BB / 108 cells

390W - 405 W

Mono-Crystalline PV Module

URE Peach module uses URE state-of-the-art cell cutting technology, and advanced module manufacturing experiences.



Key Features



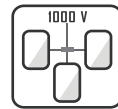
Positive power tolerance
+0 ~ +5 watt



100% EL inline inspection
Better module reliability



Withstand heavy loading
front load 5400 Pa & rear load 2400 Pa



Design for 1000 VDC
Reduce the system BOS effectively



Excellent low light performance
3.5% relative eff. Reduction at low
(200W/m²)



For more information, please visit us at www.urecorp.com



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Electrical Data

| Model - STC | | FBM390MFG-BB | FBM395MFG-BB | FBM400MFG-BB | FBM405MFG-BB |
|-----------------------------|-----|--------------|--------------|--------------|--------------|
| Maximum Rating Power (Pmax) | [W] | 390 | 395 | 400 | 405 |
| Module Efficiency | [%] | 19.98 | 20.23 | 20.49 | 20.75 |
| Open Circuit Voltage (Voc) | [V] | 36.84 | 37.03 | 37.20 | 37.36 |
| Maximum Power Voltage | [V] | 30.82 | 31.00 | 31.17 | 31.36 |
| Short Circuit Current (Isc) | [A] | 13.50 | 13.59 | 13.68 | 13.78 |
| Maximum Power Current | [A] | 12.66 | 12.75 | 12.84 | 12.92 |

*Standard Test Condition (STC): Cell Temperature 25 °C, Irradiance 1000 W/m², AM 1.5

*Values without tolerance are typical numbers.Measurement tolerance: ± 3%

Mechanical Data

| Item | Specification |
|-----------------------|--|
| Dimensions | 1723 mm (L) ¹ x 1133 mm (W) ¹ x 35 mm (D) ² / 67.83" (L) ¹ x 44.61" (W) ¹ x 1.38" (D) ² |
| Weight | 21.7 kg / 47.84 lbs |
| Solar Cell | 12x9 pieces monocrystalline solar cells series strings |
| Front Glass | White toughened safety glass, 3.2mm thickness |
| Cell Encapsulation | EVA (Ethylene-Viny-Acetate) |
| Frame | Black anodized aluminum profile |
| Junction Box | IP≥ 68, 3 diodes |
| Cable & Connector | Potrait : 500 mm (cable length can be customized), 1 x 4 mm ² compatible with MC4 |
| Package Configuration | 31 pcs Per Pallet, 806 pcs per 40' HQ container |

¹ : With assembly tolerance of ± 2 mm [± 0.08"]

² : With assembly tolerance of ± 0.8 mm [± 0.03"]

Operating Conditions

| Item | Specification |
|------------------------|---------------|
| Mechanical Load | 5400 Pa |
| Maximum System Voltage | 1000V |
| Series Fuse Rating | 30 A |
| Operating Temperature | -40 to 85 °C |

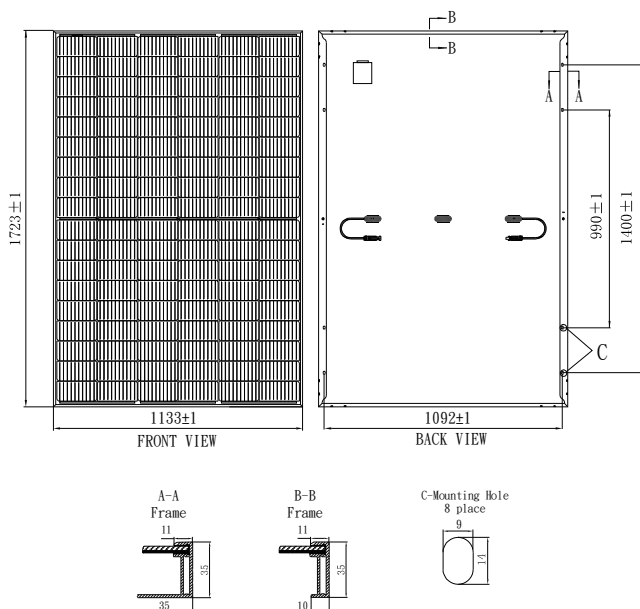
Temperature Characteristics

| Item | Specification |
|--------------------------------------|---------------|
| Nominal Module Operating Temperature | 45°C ± 2°C |
| Temperature Coefficient of Isc | 0.048 % / °C |
| Temperature Coefficient of Voc | -0.27 % / °C |
| Temperature Coefficient of Pmax | -0.32 % / °C |

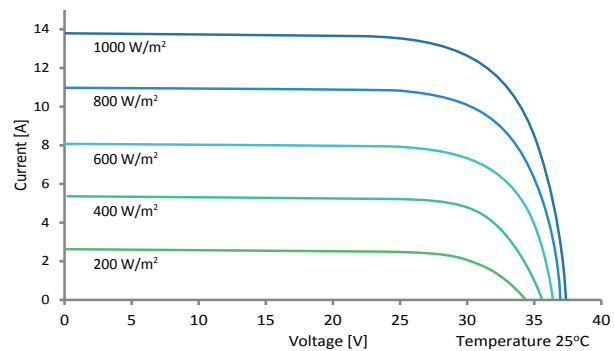
*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.

*Reduction in efficiency from 1000W/m² to 200W/m² at 25°C: 3.5 ± 2%.

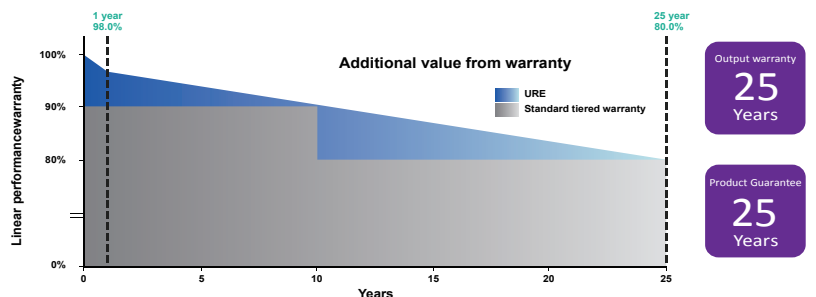
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



Output warranty
25
Years

Product Guarantee
25
Years

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United Renewable Energy Co., Ltd.

Taipei Office

9F, NO. 295, Sec. 2, Tiding Blvd.,
Neihu Dist., Taipei 11493, Taiwan

Tel : +886-2-2656-2000

Fax : +886-2-2656-0593

e-mail : sales@urecorp.com

Headquarters

No. 7, Li-Hsin 3rd Road, Hsinchu Science Park
Hsinchu city 30078, Taiwan

Tel : +886-3-578-0011

Fax : +886-3-578-1255