

RHT-MF SERIES

ELECTRICAL PERFORMANCE AT STC¹

| Model No. | RHT-MF50W | RHT-MF80W | RHT-MF100W | RHT-MF150W | RHT-MF160W | RHT-MF200W | RHT-MF250W | RHT-MF300W | RHT-MF400W |
|---|-------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|
| Maximum Power(P _{max}) | 50W | 80W | 100W | 150W | 160W | 200W | 250W | 300W | 400W |
| Open Circuit Voltage(V _{oc}) | 19.2V | 21.6V | 21.6V | 43.38V | 21.8V | 39.32V | 41.4V | 41V | 50.4V |
| Max Power Voltage(V _{mp}) | 16V | 18V | 18V | 39.8V | 18.2V | 32.8V | 36V | 34.2V | 42.3V |
| Short Circuit Current(I _{sc}) | 3.5A | 4.9A | 5.86A | 4.18A | 9.37A | 6.53A | 6.94A | 9.3A | 10.4A |
| Max Power Current(I _{mp}) | 3.2A | 4.4A | 5.56A | 3.8A | 8.88A | 6.11A | 6.31A | 8.7A | 9.5A |
| Max System Voltage | DC750V | DC750V | DC750V | DC750V | DC750V | DC750V | DC750V | DC750V | DC750V |
| Max Series Fuse Rating | 15A | 15A | 20A | 15A | 20A | 20A | 20A | 20A | 20A |
| Dimension(L*W*H)mm | 555x535x2.5 | 1000x670x2.5 | 1200x540x2.5 | 1430x540x2.5 | 1480x680x2.5 | 1200x880x2.5 | 1700x760x2.5 | 1650x900x2.5 | 2020x920x2.5 |
| Module efficiency | 19% | 17.3% | 15.5% | 19.4% | 17% | 20.7% | 21% | 20.7% | 21.5% |
| Solar Cell Number | 32 | 36 | 36 | 72 | 36 | 60 | 72 | 60 | 72 |
| Solar Cell Size: mm | 125x125 | 156x78 | 125x125 | 166x55.33 | 156.75x156.75 | 210x70 | 182x91 | 210x105 | 218.2x109.1 |
| Weight | 0.82kgs | 1.37KGS | 1.5KGS | 2.2KGS | 2.6KGS | 2.8KGS | 3.2KGS | 4.3KGS | 4.9KGS |

KEY FEATURES

- ▶ Bendable folding, can be bent into a curved surface or any irregular shape.
- ▶ Easy to carry, make more civil use becomes possible.
- ▶ Light weight, move easily and greatly promote the application
- ▶ Thin thickness, make some special application possible.
- ▶ Easy installation, no need professional installer and everybody can make a DIY use.

PHYSICAL AND MECHANICAL SPECIFICATIONS

- ▶ Type: ETFE
- ▶ Warranty: 5 years
- ▶ Junction Box: IP67
- ▶ Operating Temperature: -40°C ~ +85°C
- ▶ Certifications: CE/IEC/RoHS
- ▶ STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

APPLICATIONS

- ▶ **RV:** fixed on the body of the car or separate use for car;
- ▶ **Boat and yacht:** fixed installation and supply basic electricity;
- ▶ **Van and car;**
- ▶ **Outdoor camping:** as a carry-on baggage and supply power for portable solar generator;
- ▶ **Balcony and roof:** home power supply and DIY and easy installation;
- ▶ **Other uneven surfaces:** such as the roof of the advertising board and charging canopy;
- ▶ **Other unload-able surfaces:** small roofs like bee house or swallow house;



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