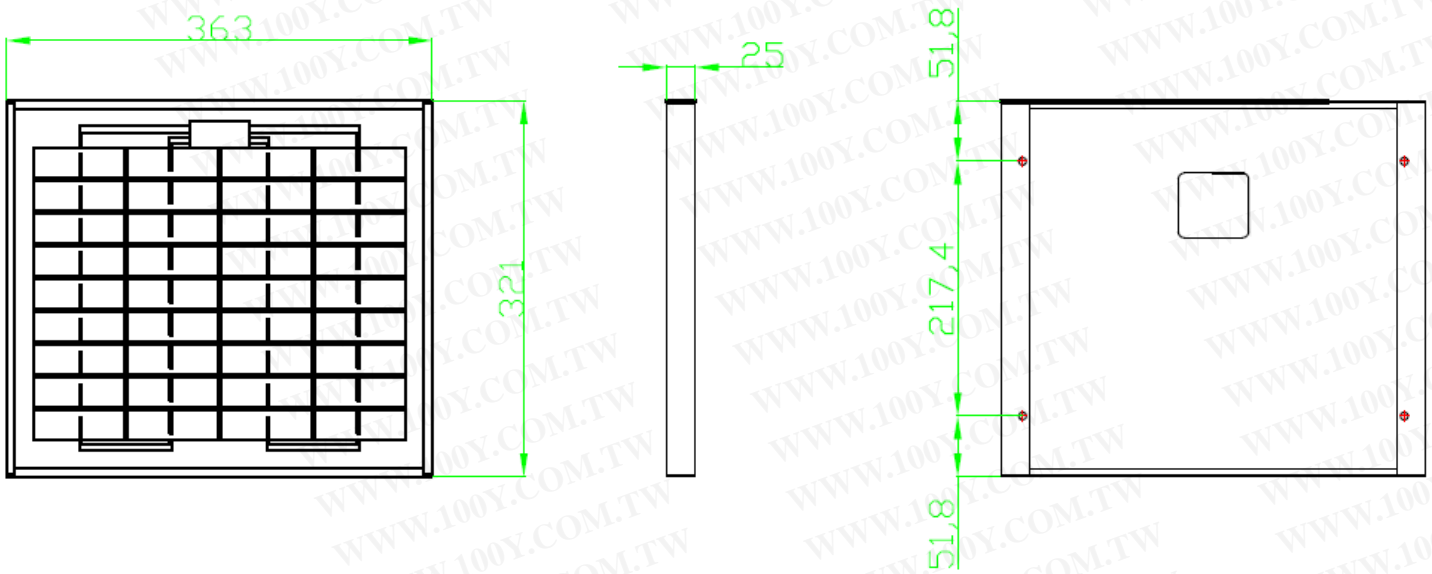


Solar Module: MyECO PM10 Series  
(PM10, 6" Polycrystalline Solar Cell, 1/12 4x9 Cells)  
Front View

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-54151736  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



Technical Drawing



## Product Characteristics

### Electrical Characteristics: Performance at STC\*1

|                            |              |  |  |  |
|----------------------------|--------------|--|--|--|
| Model Type                 | PM10         |  |  |  |
| Nominal Peak Power, Pmax   | 10W $\pm$ 5% |  |  |  |
| Peak Power Voltage, Vpm    | 17.75 V      |  |  |  |
| Peak Power Current, Ipm    | 0.60 A       |  |  |  |
| Open Circuit Voltage, Voc  | 21.82 V      |  |  |  |
| Short Circuit Current, Isc | 0.64 A       |  |  |  |
| Module Efficiency          | 8.58%        |  |  |  |

\*STC: Standard Test Condition, 1000W/m<sup>2</sup>, AM 1.5, 25°C

### Current-Voltage Characteristics (I-V Curve) at various irradiance levels

(Data in preparation)

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### Physical Specifications

|                       |                   |
|-----------------------|-------------------|
| Dimension [L x W x H] | 321 x 363 x 25 mm |
| Weight (Kg)           | 2 Kg              |

### Packing Specifications

|                    |             |
|--------------------|-------------|
| Modules Per Carton | 2pcs/carton |
|--------------------|-------------|

## Component materials

|                       |  |
|-----------------------|--|
| Cell Qty per Module   | 36pcs  |
| Cell Type             | Polycrystalline Silicon  |
| Cell Dimensions       | 78 x 26mm  |
| Laminate Construction | Front: Tempered Glass<br>Encapsulation: Solar Cells Embedded in EVA (Ethylene-Vinyl-Acetate)<br>Rear: Tedlar |
| Glass                 | Low-Iron Tempered Glass, 3.2mm   |
| Junction Box          | IP65 Junction Box (TUV Certified)  |
| Frame                 | Anodized Aluminum Frame. Color: Silver   |

## Performance Warranty

|            |         |
|------------|---------|
| 90% Output | 10Years |
|------------|---------|

## Quality Assurance

|                                    |                         |
|------------------------------------|-------------------------|
| Quality Management                 | ISO 9001:2000 certified |
| IEC 61215:2005                     | TUV certified           |
| EN 61730-1 & EN 61730-2:2007       | TUV certified           |
| 1. Electrical Insulation Test      |                         |
| 2. Outdoor Exposure Test           |                         |
| 3. Hot-Spot Endurance Test         |                         |
| 4. UV-exposure                     |                         |
| 5. Thermal Cycling Test            |                         |
| 6. Humidity Freeze Test            |                         |
| 7. Damp Heat Test                  |                         |
| 8. Robustness of Terminations Test |                         |
| 9. Wet Leakage Current Test        |                         |
| 10. Mechanical Load Test           |                         |
| 11. Hail Impact Test               |                         |
| 12. Bypass Diode Thermal Test      |                         |

## Features:

The most reliable quality

Good conversion efficiency of solar module

Effectively minimize the power drop by the shade

High-level protection for severe environment

High quality glass provides for less reflection of incoming sunrays

Color of the back sheet: White & Black (custom-made possible)

Made in Taiwan

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Though the technical information has been carefully verified and corrected, error data could still be misplaced within. Above data will be subject to change without prior notice due to actual manufacturing condition and design. Please surf for the latest updates on Ritek website or contact us. Printed in 2009/03