

Solar Module: MyECO PM50 Series
(PM45/PM50, 6" Polycrystalline Solar Cell, 1/3 4x10 Cells)

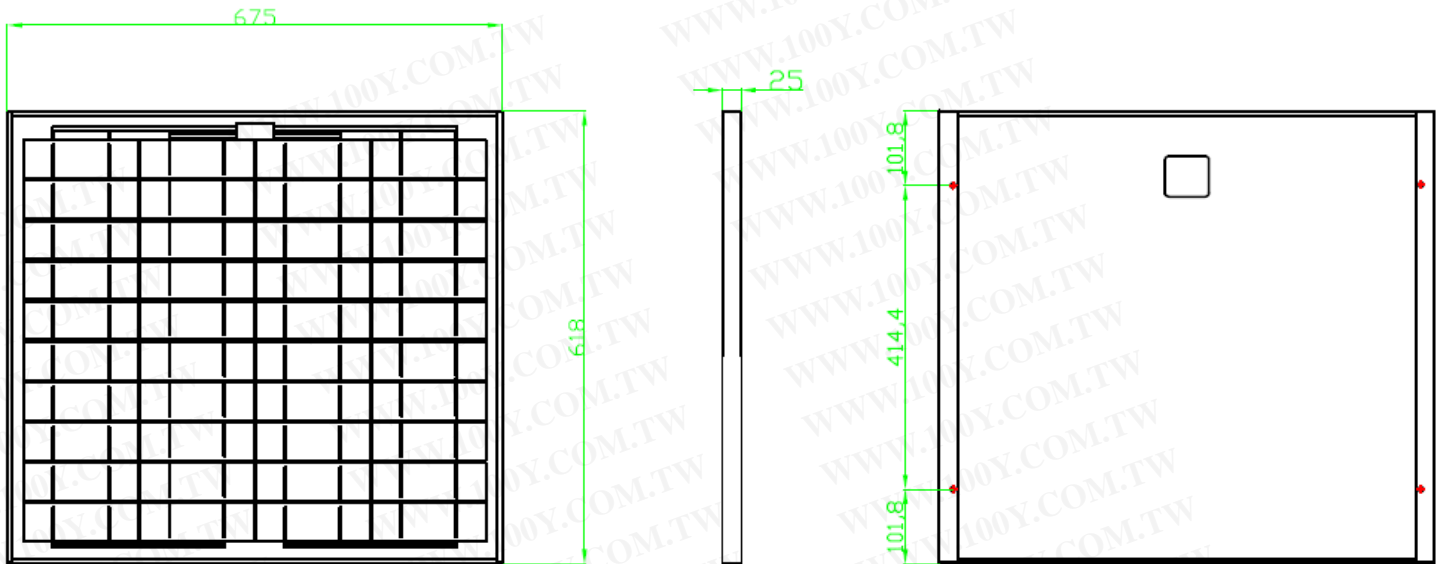
Front View



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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

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Electrical Characteristics: Performance at STC*1

Model Type	PM45	PM50		
Nominal Peak Power, Pmax	45W ± 5%	50W ± 5%		
Peak Power Voltage, Vpm	19.72 V	20.00 V		
Peak Power Current, Ipm	2.40 A	2.50 A		
Open Circuit Voltage, Voc	24.24 V	24.44 V		
Short Circuit Current, Isc	2.58 A	2.68 A		
Module Efficiency	10.79%	11.99%		

*STC: Standard Test Condition, 1000W/m², AM 1.5, 25°C

Component materials

Cell Qty per Module	40pcs
Cell Type	Polycrystalline Silicon
Cell Dimensions	156 x 52mm
Laminate Construction	Front: Tempered Glass Encapsulation: Solar Cells Embedded in EVA (Ethylene-Vinyl-Acetate) Rear: Tedlar
Glass	Low-Iron Tempered Glass, 3.2mm
Junction Box	IP65 Junction Box (TUV Certified)
Cable	2 Cables (TUV Certified)
Connector	TUV Certified
Frame	Anodized Aluminum Frame. Color: Silver

Physical Specifications

Dimension [L x W x H]	618 x 675 x 25 mm
Weight (Kg)	6 Kg

Packing Specifications

Modules Per Carton	2pcs/carton
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Current-Voltage Characteristics (I-V Curve) at various irradiance levels

(Data in preparation)

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Performance Warranty

90% Output	10Years
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Quality Assurance

Quality Management	ISO 9001:2000 certified
IEC 61215:2005	TÜV certified
EN 61730-1 & EN 61730-2:2007	TÜV 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

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

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