

Solar Module: MyECO PM125 Series

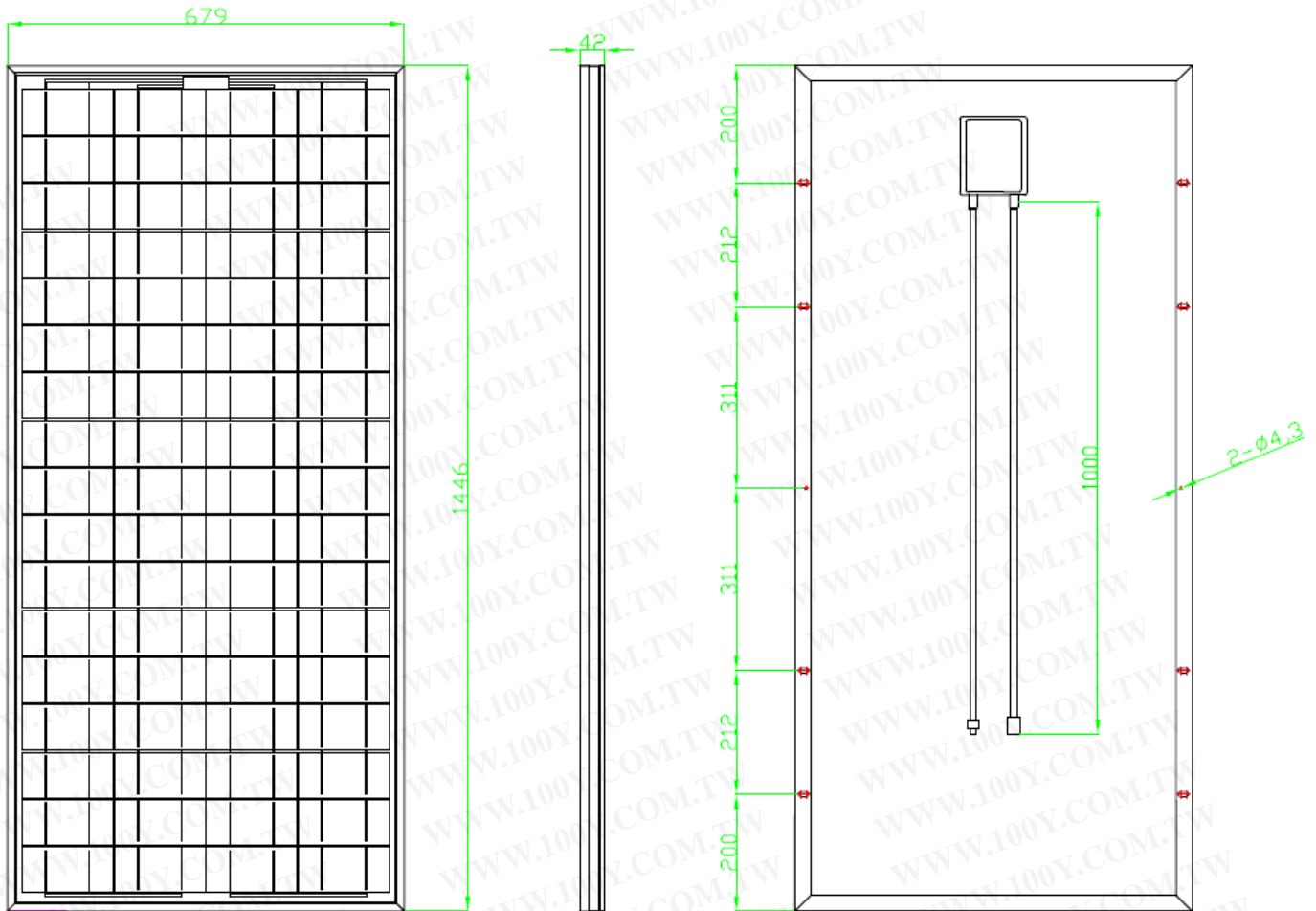
(PM115/PM120/PM125/PM130/PM135, 6" Polycrystalline Solar Cell, 1/2 4x17 Cells)

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	PM115	PM120	PM125	PM130
Nominal Peak Power, Pmax	115W ± 5%	120W ± 5%	125W ± 5%	130W ± 5%
Peak Power Voltage, Vpm	33.52 V	33.52 V	34.00 V	34.54 V
Peak Power Current, Ipm	3.60 A	3.65 A	3.75 A	3.83 A
Open Circuit Voltage, Voc	41.21 V	41.21 V	41.55 V	42.16 V
Short Circuit Current, Isc	3.87 A	3.91 A	4.02 A	4.10 A
Module Efficiency	11.28%	11.77%	12.26%	12.75%

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

Electrical Characteristics: Performance at STC*1

Model Type	PM135			
Nominal Peak Power, Pmax	135W ± 5%			
Peak Power Voltage, Vpm	35.09 V			
Peak Power Current, Ipm	3.90 A			
Open Circuit Voltage, Voc	42.64 V			
Short Circuit Current, Isc	4.16 A			
Module Efficiency	13.24%			

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

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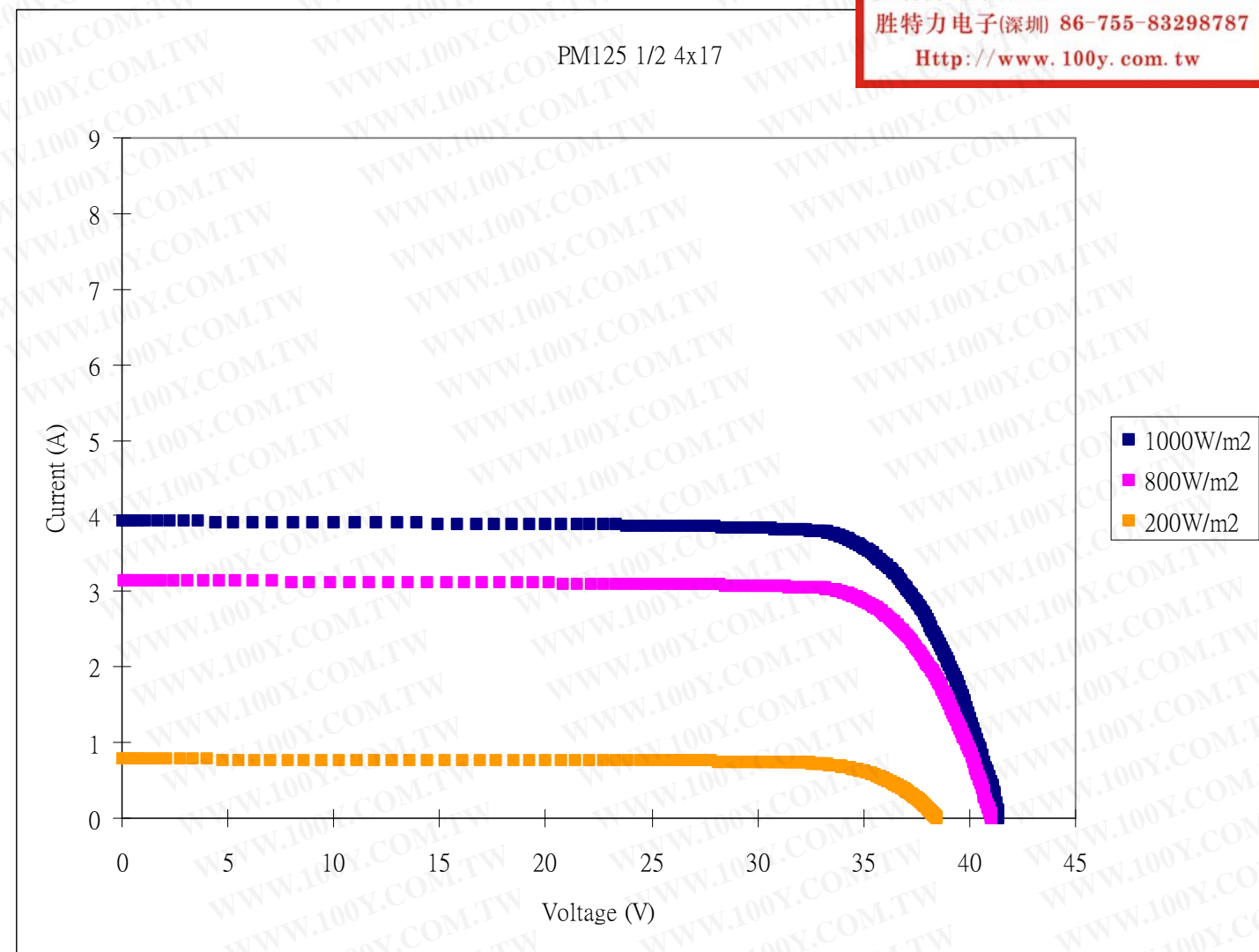
System Integration Parameter

Maximum System Voltage	1000VDC (600VDC in US)
Series Fuse Rating	10A
Operating Temperature	-40 to 85°C

Thermal Characteristics

Temperature Coefficient TK Pmax (Peak Power)	-1.194/°C
Temperature Coefficient TK Voc (Open Circuit Voltage)	-0.139V/°C
Temperature Coefficient TK Isc (Short Circuit Current)	+5.556mA/°C

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



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Component materials

Cell Qty per Module	68pcs
Cell Type	Polycrystalline Silicon
Cell Dimensions	156 x 78mm
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)
Bypass Diodes	1 or 2 pcs
Cable	2 Cables (TUV Certified)
Connector	TUV Certified

Frame	Anodized Aluminum Frame. Color: Silver
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Physical Specifications

Dimension [L x W x H]	1446 x 679 x 42 mm
Weight (Kg)	14 Kg

Packing Specifications

Modules Per Carton	2pcs/carton
Module Per Pallet	20/22pcs/pallet
20ft Container Capacity	420
40ft Container Capacity	924

Performance Warranty

90% Output	10Years
80% Output	20Years

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

Warranty of minimal power output 80% at STC for 20 years

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