WWW.100Y.COM.T (PM45/PM50, 6" Polycrystalline Solar Cell, 1/3 4x10 Cells)
Front View WWW.100Y.CO

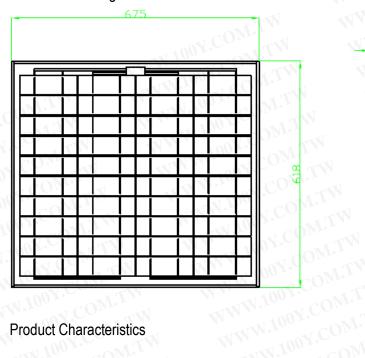
WWW.100Y.COM.TW 100Y.COM.TW (Photo temporarily unavailable) WWW.100Y.CC WWW.I

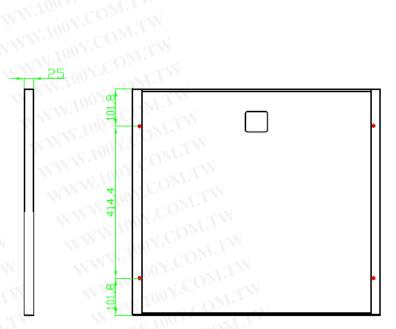
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## **Technical Drawing**





#### **Product Characteristics**

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Electrical Characteristics: Perfo Model Type	PM45	PM50	Http	://www. 100y. com. tw
Nominal Peak Power, Pmax	45W ± 5%	50W ± 5%	10	ar. CON'IM
Peak Power Voltage, Vpm	19.72 V	20.00 V	WWW	001 CONT.TW
Peak Power Current, Ipm	2.40 A	2.50 A	MAIN	. O. L. COPY
Open Circuit Voltage, Voc	24.24 V	24.44 V	WW	TONI.
Short Circuit Current, Isc	2.58 A	2.68 A		ATONE CONCE
Module Efficiency	10.79%	11.99%	M. M.	TIDOY.
STC: Standard Test Condition	, 1000W/m2, AM 1.	5, 25°C	WW WW	W. COMETY

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

# Component materials

Component materials  Cell Qty per Module	40pcs	
Cell Type	Polycrystalline Silicon	
Cell Dimensions	156 x 52mm	
MAL	Front: Tempered Glass	
Laminate Construction	Encapsulation: Solar Cells Embedded in EVA (Ethylene-Vinyl-Acetate)	
	Rear: Tedlar	
Glass	Low-Iron Tempered Glass, 3.2mm	
Junction Box	IP65 Junction Box (TÜV Certified)	
Cable	2 Cables (TÜV Certified)	
Connector	TÜV Certified	
Frame	Anodized Aluminum Frame. Color: Silver	
	100x. M. IV 100 . OM. IV W. 100	
Physical Specifications		
Dimension [L x W x H]	618 x 675 x 25 mm	

#### Physical Specifications

Frame	Anodized Aluminum Frame. C	MANN COL	
Physical Specifications			
Dimension [L x W x H]	618 x 675 x 25 mm	Marian Tong. CONT. I.A.	W.100
Weight (Kg)	6 Kg	WW. TIOON.COM.TW	WW. 100X.
	WWW.LCOM.TW	WWW. TOOY.CO. TW	MM
Packing Specifications			
Madulas Day Cartan	Oncologidas		

## **Packing Specifications**

vvoigiti (itg)	0119		
Packing Specifications			
Modules Per Carton	2pcs/carton	M.M.M. CO.	

OOY.COM.T Current-Voltage Characteristics (I-V Curve) at various irradiance levels

(Data in preparation) WWW.100Y.COM.TW WWW.100Y.COM.TW WWW.100Y.COM.TW (Data in preparation)

> WWW.100Y.COM.TW OOY.COM.TW 勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

> > MIM

# IW.100Y.COM.TW

	WWW.100Y.COM.TW	胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw
Performance Warranty	WW.100Y.COM.TI	I INN.100 CON.
90% Output 10Years	M. 2005. CONT. I.	1. 2.M. 100 x. COM: y.
Quality Assurance		
Ouglity Management	CO 0001,0000 andified	

# **Quality Assurance**

Quality Assurance	ON LO COMPANY
Quality Management	ISO 9001:2000 certified
IEC 61215:2005	TÜV certified
EN 61730-1 & EN 61730-2:2007	TÜV certified
Electrical Insulation Test	CONT. THE WAY TO SEE THE SERVICE OF
Outdoor Exposure Test	DY.COMITH WWW.100Y.COMITH WY.100Y.COM
Hot-Spot Endurance Test	DOX.CO TW WWW. 100X.CO TW WWW. 100X.
4. UV-exposure	COM. THE WAY COM.
5. Thermal Cycling Test	TOO TO TOWN TOWN TOWN TOWN TOWN TOWN TOW
6. Humidity Freeze Test	1001. ON IN WASTER ON THE WASTER
7. Damp Heat Test	MIN MIN MIN TOOL OF THE WAY TO THE TOTAL OF THE PARTY OF
8. Robustness of Terminations Test	N. LONGO WIN WINN ON CO. TW. WINN
Wet Leakage Current Test	IN TO WAY TO THE TOWN TO COME
10. Mechanical Load Test	WINDOW COMPLY WINDOW COMPLY
11. Hail Impact Test	WW 1007.
12. Bypass Diode Thermal Test	IMM. TOW. COM. TIM MAN.

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### 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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