

Datasheet for A-Si thin film solar module

**TRM04B**

## ELECTRICAL CHARACTERISTICS

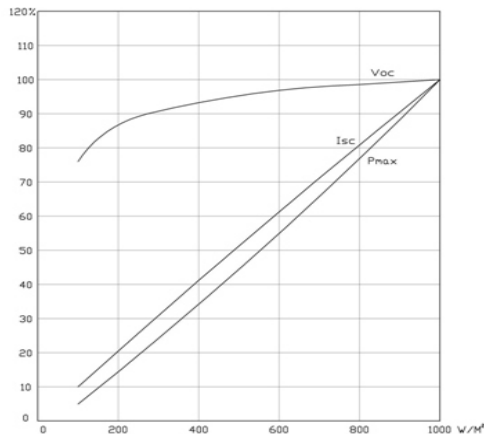
Cell Type	A-Si thin film solar module
Norminal Power	$P_{max} = 4W$
Open Circuit Voltage	$V_{oc} = 12.6V$
Short Circuit Current	$I_{sc} = 0.7A$
Voltage at $P_{max}$	$V_m = 8.7V$
Current at $P_{max}$	$I_m = 470mA$
Temp. Coefficient/ $P_m$	$-(0.19 \pm 0.03)\%/^{\circ}C$
Temp. Coefficient/ $V_{oc}$	$-(0.34 \pm 0.04)\%/^{\circ}C$
Temp. Coefficient/ $I_{sc}$	$(0.08 \pm 0.02)\%/^{\circ}C$

STANDARD TEST CONDITIONS (STC: 1000 W / m<sup>2</sup>, 25°C, AM 1.5 SPECTRUM)  
TOLERANCE  $\pm 10\%$ .

## RELIABILITY STATISTICS

Operating Temperature Range	-40°C ~ +90°C
Humidity & Temperature Test	85°C & 85% humidity 1000h
Junction Box	IP65 rated
Outstanding performance under low light irradiance	
Manufactured in ISO 9001 certified factory	

## PERFORMANCE & IRRADIANCE CURVE



## QUALIFICATION AND CERTIFICATES

CE, IEC(pending), UL(pending)



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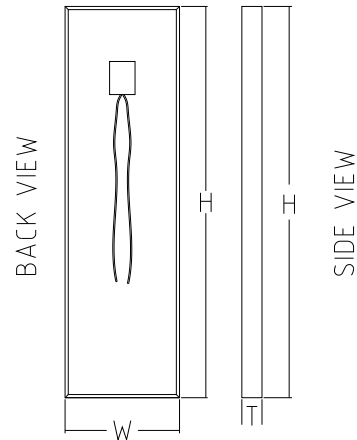
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## DIMENSIONS



H	W	T
615mm/24.2"	180mm/7.1"	16.7mm/0.7"

## MICCHANICAL SPECIFICATIONS

Dimensions (H*W*T) as above	615*180*16.7mm
Weight	1.5Kg
Front Cover	TCO glass
Back Cover	PET
Frame	Silver anodized aluminum
Output Lead Wire	Waterproof wire

## APPEARANCE SPECIFICATIONS

Delaminations or bubbles do not form a continuous path between any part of the electrical circuit and the edge of module

No any cracks, scratch or perforation in the glass or the backsheet

## PROPERTY FOR SYSTEM DESIGN

Series Fuse Rating	1A
Maximum System Voltage	600V
Recommended applications for Off-grid systems	

Design and specifications are subject to change without notice.

