

Datasheet for A-Si thin film solar module

TRM12D

ELECTRICAL CHARACTERISTICS

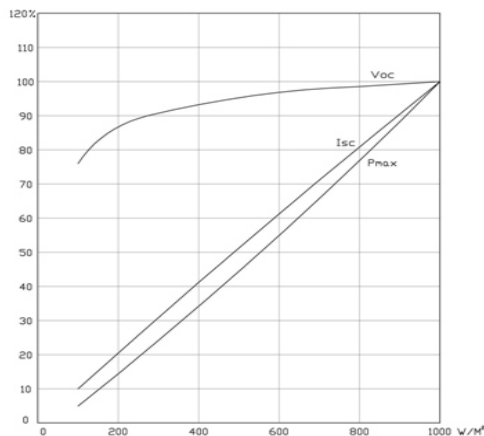
Cell Type	A-Si thin film solar module
Norminal Power	$P_{max} = 12W$
Open Circuit Voltage	$V_{oc} = 26.7V$
Short Circuit Current	$I_{sc} = 0.9A$
Voltage at P_{max}	$V_m = 18V$
Current at P_{max}	$I_m = 667mA$
Temp. Coefficient/ P_m	$-(0.19 \pm 0.03)\%/^{\circ}C$
Temp. Coefficient/ V_{oc}	$-(0.34 \pm 0.04)\%/^{\circ}C$
Temp. Coefficient/ I_{sc}	$(0.08 \pm 0.02)\%/^{\circ}C$

STANDARD TEST CONDITIONS (STC: 1000 W / m², 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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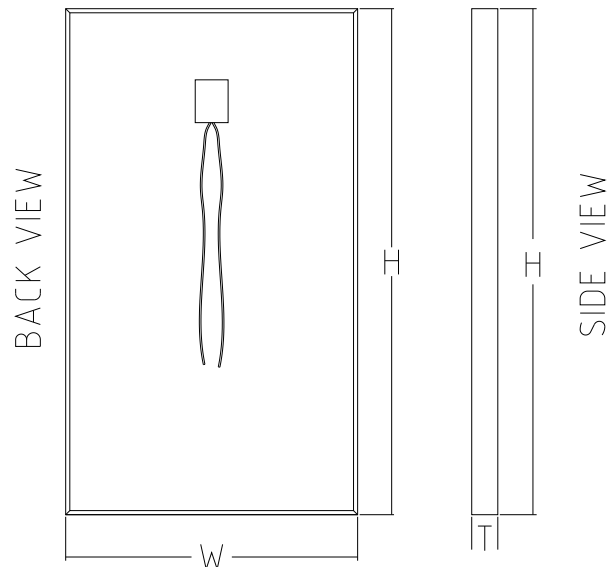
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DIMENSIONS



H	W	T
818mm/24.2"	355mm/14.0"	16.7mm/0.7"

MICHAICAL SPECIFICATIONS

Dimensions (H*W*T) as above	818*355*16.7mm
Weight	2.9Kg
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.

