

Datasheet for A-Si thin film solar module

TRM50A

ELECTRICAL CHARACTERISTICS

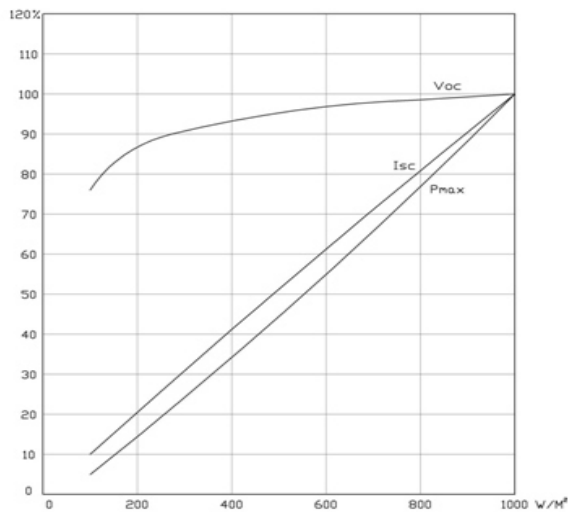
Cell Type	A-Si thin film solar module
Norminal Power	Pmax = 50W
Open Circuit Voltage	Voc = 55V
Short Circuit Current	Isc = 1.75A
Voltage at Pmax	Vm = 39V
Current at Pmax	Im = 1.29A
Temp. Coefficient/ Pm	-(0.19±0.03)%/°C
Temp. Coefficient/ Voc	-(0.34±0.04)%/°C
Temp. Coefficient/ Isc	(0.08±0.02)%/°C

STANDARD TEST CONDITIONS (STC: 1000 W / m², 25 °C, AM 1.5 SPECTRUM)
TOLERANCE ±10%.

RELIABILITY STATISTICS

Operating Temperature Range	-40°C ~ +90°C
Humidity & Temperature Test	85°C & 85% humidity 1000h
Mechanical Load Test	5400Pa
Manufactured in ISO 9001 certified factory	

PERFORMANCE & IRRADIANCE CURVE



QUALIFICATION AND CERTIFICATES

CE, IEC(pending), UL(pending)



Trony Solar Holdings Company Limited

Address: 21F, East, Great China International Exchange Square, No.1 Fuhua Rd, Futian District, Shen Zhen, P.R.China
TEL: +86-755-33987669

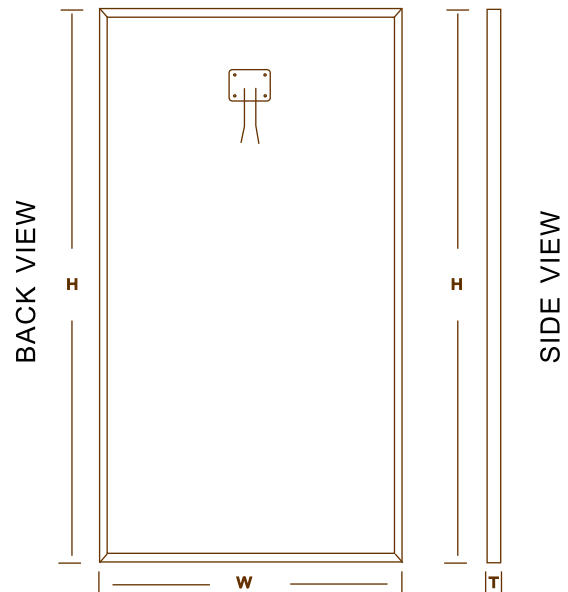
Trony Solar Industrial Park

Address: No.7 Road south, Baolong Industrial zone, Longgang District, Shenzhen 518116 P.R China
TEL: +86-755-89687669

www.trony.com

Email: sales@trony.com

DIMENSIONS



H	W	T
1645mm/64.8"	712mm/28.0"	27mm/1.1"

MICCHANICAL SPECIFICATIONS

Dimensions (H*W*T) as above	1645*712*27mm
Weight	19.5 kg
Front Cover	TCO glass
Back Cover	Tempered glass
Frame	Silver anodized aluminum
Junction Box	IP65 Rated
Bypass Diode	Installed
Output Lead Wire	Waterproof wire and connector

PROPERTY FOR SYSTEM DESIGN

Series Fuse Rating	3A
Maximum System Voltage	1000V

Design and specifications are subject to change without notice.

