


TSM


TRUNZ SOLAR MODULE


Trunz Solar Module using 125mm single crystal silicon solar cells. This module with bypass diode minimizes the power drop by the shade. Connector provide nominal 24 DC output. Using optical low iron tempered glass. EVA resin module with aluminium fram for outdoor use.

Certified factories, listed Underwriter's Laboratories for electrical and fire safety (Class C fire rating), certified by TUV Rheinland as Class II.



 Bypass diode minimizes the power drop by shade

 The conversion efficiency of solar cell is over 15%

 Warranty:
90% power output over 12 years
80% power output over 25 years
5 years workmanship

Electrical Characteristics

Module Type	Maximum power at STC (Pmax)	Short-circuit current (isc)	Open-circuit voltage (Voc)	Optimum operating current (Imp)	Optimum operating voltage (Vmp)
TSM185M-72M	185Wp	5.38	42.60	5.21	35.50
STC: Radiation 1000 W/m ² , Module temperature 25°C. AM=1.5					

Specifications

Cell	Monocrystalline silicon solar cells 125mm" 125mm
No of cells and connections	72 (12x6)
Dimension of module	1580 x 808 x 45 mm
Weight	15.5 kg

Temperature coefficients

Nominal operating cell temperature	48°C +/- 2°C
Current temperature coefficient	(0.055 +/- 0.01) %/K
Voltage temperature coefficient	-(155 +/- 10) mV/K
Power temperature coefficient	-(0.48 +/- 0.05) %/K
Power tolerance	+/- 3%

Output

Cable	LAPP (4mm ²)
Asymmetrical Lengths	900mm (-) 900 mm (+)
Connection	Type IV