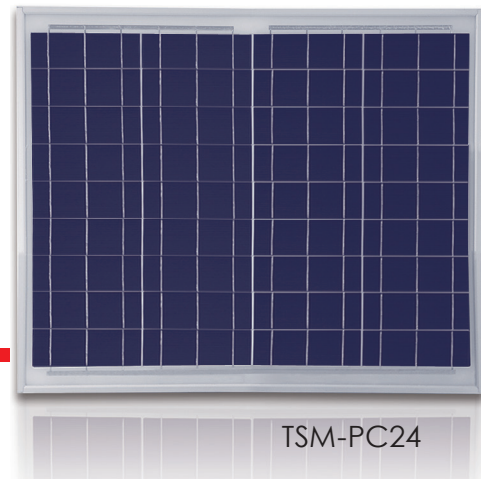


THE OFF-GRID MODULE



36 CELL
MULTICRYSTALLINE MODULE

45-50W
POWER OUTPUT RANGE

5 YEAR
POWER WARRANTY

25 YEAR
POWER WARRANTY

As a leading global manufacturer of next generation photovoltaic products, we believe close cooperation with our partners is critical to success. With local presence around the globe, Trina is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Trina as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners as the backbone of our shared success in driving Smart Energy Together.

Trina Solar Limited
www.trinasolar.com

Trinasolar
Smart Energy Together



International certification



Guaranteed power output
-3~+3%



Module can bear snow loads up to **5400Pa** and
wind loads up to **2400Pa**



High performance under low light conditions
Cloudy days, mornings and evenings



Manufactured according to International Quality
and Environment Management System
ISO9001, ISO14001

TSM-PC24		
ELECTRICAL DATA @ STC	Peak Power Watts- P_{MAX} (Wp)	45 50
	Power Output Tolerance- P_{MAX} (%)	-3/+3 -3/+3
	Maximum Power Voltage- V_{MP} (V)	17.6 18.8
	Maximum Power Current- I_{MP} (A)	2.56 2.66
	Open Circuit Voltage- V_{OC} (V)	22.1 22.4
	Short Circuit Current- I_{SC} (A)	2.95 3.09
MECHANICAL DATA	Cells orientation	36 cells (4 × 9)
	Module dimension	554 × 670 × 40mm (21.8 × 26.4 × 1.57 inches)
	Weight	4.7kg (10.4 lb)
	Glass	High transmission, low Iron, tempered glass 3.2mm (0.13 inches)
	Frame	Anodized aluminium alloy
	J-Box	IIP 65 or IP 67 rated
	Cables / Connector	Photovoltaic technology cable 4.0mm ² (0.006 inches ²), 400mm (15.7 inches), MC4 compatibility
CERTIFICATION		—

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C).

TEMPERATURE RATINGS	
Nominal Operating Cell Temperature (NOCT)	46°C (±2°C)
Temperature Coefficient of P_{MAX}	-0.43%/°C
Temperature Coefficient of V_{OC}	-0.32%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

MAXIMUM RATINGS	
Operational Temperature	-40~+85°C
Maximum System Voltage	1000VDC
Max Series Fuse Rating	15A

WARRANTY	
5 year workmanship warranty	
25 year performance warranty	

(Please refer to Trina Solar product warranty for details)

PACKAGING CONFIGURATION	
Modules per box 24 pcs	
Modules per 40' container: 2736 pcs	

