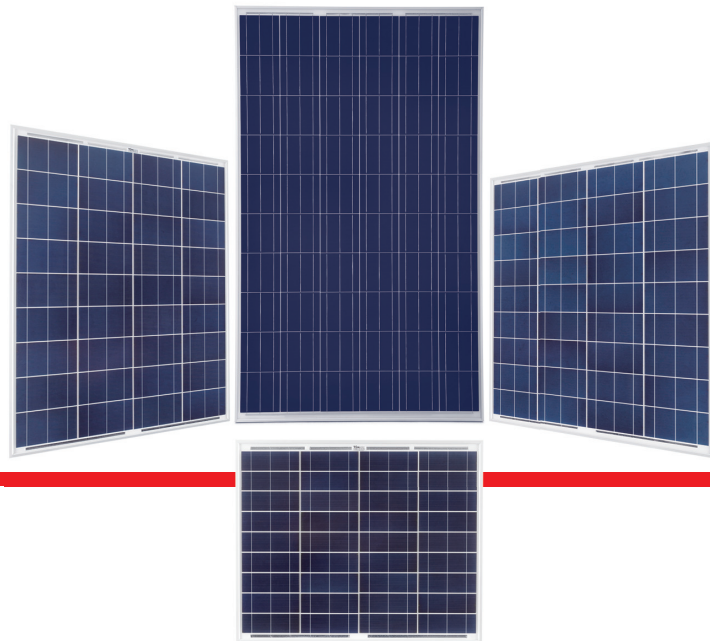




TSM-PC20 TSM-PC22 TSM-PC24 TSM-PC26



MODULE OFF GRID

POWER OUTPUT
45W – 140W

PRODUCT WARRANTY
5 YEARS

POWER WARRANTY
25 YEARS

Founded in 1997, Trina Solar is one of the world leading PV companies. Since it's IPO on the NYSE in 2006, Trina Solar has developed a fully integrated business model, with the production of ingots, wafers, cells and solar panel, in both mono and multicrystalline technologies. Its manufacturing capacity for solar panel is of 2.4GW by end of 2012, making it one of the largest solar company in the world. Trina Solar extensive portfolio includes panels for every kind of installation, from small off-grid panel, to BIPV panels, all the way to utility scale panel, as well as innovative solutions.

With 20 branch offices around the world, Trina Solar is servicing leading installers, distributors, utilities and developers in all major PV markets. Trina Solar is committed to drive down the cost of solar and make it more affordable for all.

Trina Solar Limited
www.trinasolar.com



THE OFF GRID MODULE



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

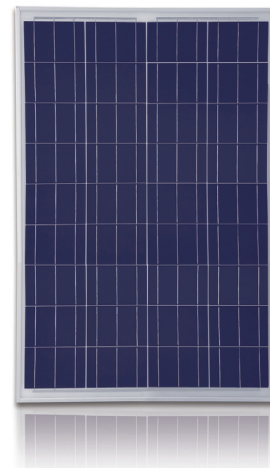
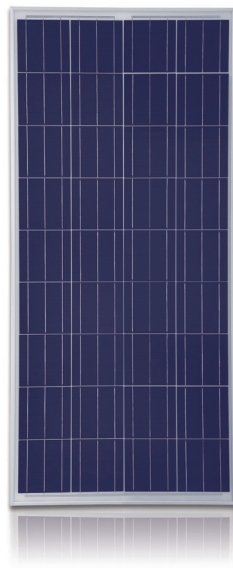


Manufactured according to International Quality and Environment Management System
ISO9001, ISO14001

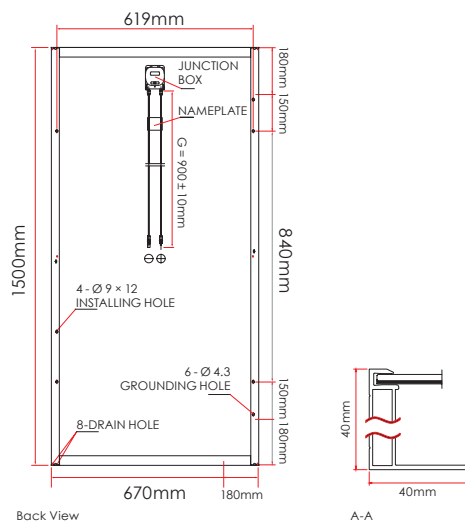
TSM-PC20 / TSM-PC22 / TSM-PC24 / TSM-PC26

	TSM-PC20		TSM-PC22		
	TSM-135 PC 20	TSM-140 PC 20	TSM-95 PC 22	TSM-100 PC 22	
ELECTRICAL DATA @ STC	Peak Power Watts- P_{MAX} (Wp)	135	140	95	100
	Power Output Tolerance- P_{MAX} (%)	-3/+3	-3/+3	-3/+3	-3/+3
	Maximum Power Voltage- V_{MP} (V)	17.6	17.9	18.0	18.4
	Maximum Power Current- I_{MPP} (A)	7.68	7.83	5.29	5.45
	Open Circuit Voltage- V_{OC} (V)	22.0	22.3	22.2	22.4
	Short Circuit Current- I_{SC} (A)	8.15	8.30	5.57	5.79
MECHANICAL DATA	Cells orientation	36 cells (4 × 9)		36 cells (4 × 9)	
	Module dimension	1500 × 670 × 40mm (59.1 × 26.4 × 1.57 inches)		1022 × 670 × 40mm (40.2 × 26.4 × 1.57 inches)	
	Weight	13kg (28.7 lb)		8.5kg (18.7 lb)	
	Glass	High transmission, low Iron, tempered glass 3.2mm (0.13 inches)			
	Frame	Anodized aluminium alloy		Anodized aluminium alloy	
	J-Box	IP 65 rated		IP 65 rated	
	Cables / Connector	Photovoltaic technology cable 4.0mm ² (0.006 inches ²), 900mm (35.4 inches), MC4 compatibility		Photovoltaic technology cable 4.0mm ² (0.006 inches ²), 600mm (23.6 inches), MC4 compatibility	
CERTIFICATION	TUV Rheinland, CEC, CGC, IEC, CE		—		

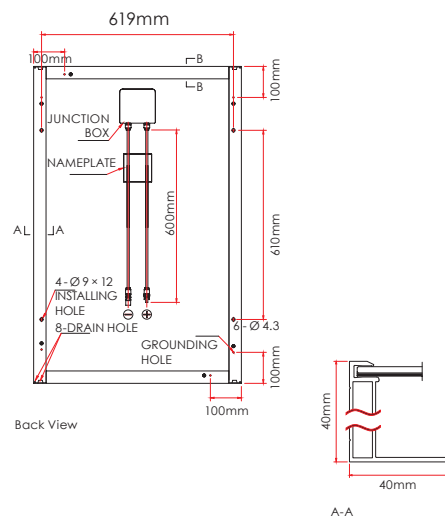
Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000 W/m²)

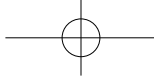


DIMENSIONS OF PV MODULE TSM-140 PC 20



DIMENSIONS OF PV MODULE TSM-100 PC 22





THE OFF GRID MODULE

	TSM-PC24		TSM-PC26		
	TSM-45 PC 24	TSM-50 PC 24	TSM-80 PC 26	TSM-85 PC 26	TSM-90 PC 26
	45	50	80	85	90
	-3/+3	-3/+3	-3/+3	-3/+3	-3/+3
	17.6	18.8	17.5	17.9	18.4
	2.56	2.66	4.57	4.75	4.87
	22.1	22.4	22.0	22.2	22.4
	2.95	3.09	4.89	4.99	5.08
	36 cells (4 × 9)		36 cells (4 × 9)		
	554 × 670 × 40mm (21.8 × 26.4 × 1.57 inches)		941 × 670 × 40mm (37.0 × 26.4 × 1.57 inches)		
	4.7kg (10.4 lb)		7.8kg (17.2 lb)		
	High transmission, low Iron, tempered glass 3.2mm (0.13 inches)				
	Anodized aluminium alloy		Anodized aluminium alloy		
	IP 65 rated		IP 65 rated		
	Photovoltaic technology cable 4.0mm ² (0.006 inches ²), 400mm (15.7 inches), MC4 compatibility		Photovoltaic technology cable 4.0mm ² (0.006 inches ²), 600mm (23.6 inches), MC4 compatibility		
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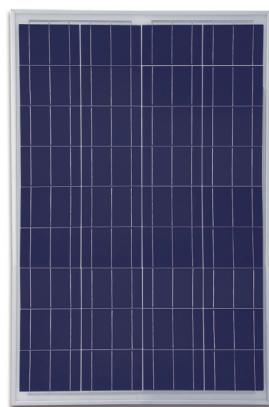
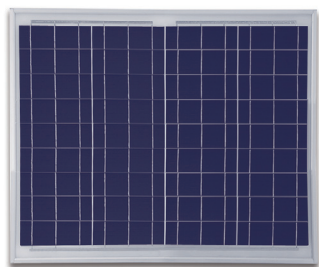
TEMPERATURE RATINGS	
Nominal Operating Cell Temperature (NOCT)	46°C (±2°C)
Temperature Coefficient of P _{MAX}	-0.43%/°C
Temperature Coefficient of V _{OC}	-0.32%/°C
Temperature Coefficient of I _{SC}	0.047%/°C

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

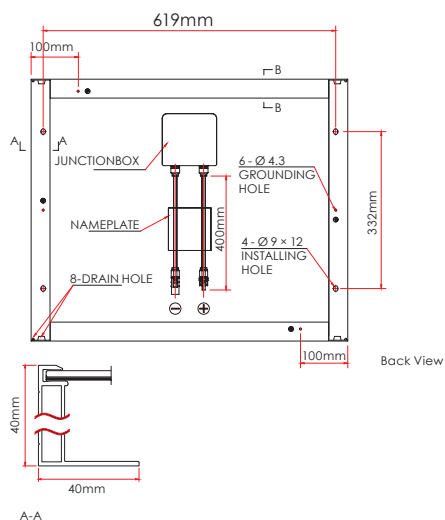
WARRANTY	
5 years workmanship warranty	
25 years performance warranty	

(Please refer to Trina Solar product warranty for details)

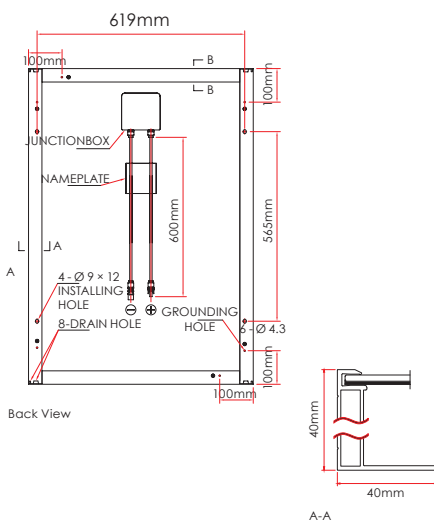
PACKAGING CONFIGURATION	
Modules per box 24 pcs	
Modules per 40' container 1080 pcs (TSM-PC20); 1584 pcs (TSM-PC22); 2736 pcs (TSM-PC24); 1728 pcs (TSM-PC26);	



DIMENSIONS OF PV MODULE TSM-45 PC 24



DIMENSIONS OF PV MODULE TSM-85 PC 26



TSM-Offgrid_June_2012