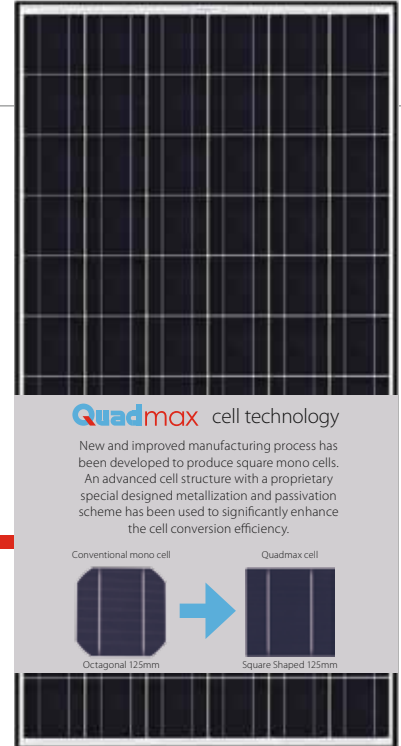


TSM-DC80.08

THE **Quadmax** SOLUTION

by **TrinaSolar**



16.4%
MAX EFFICIENCY

210W
MAX POWER OUTPUT

10 YEAR
PRODUCT WARRANTY

25 YEAR
LINEAR POWER WARRANTY

Founded in 1997, Trina Solar is a vertically integrated PV manufacturer, involved in the production of ingots, wafers and cells to the assembly of high quality modules, using both mono and multi-crystalline technologies. As of July 2011, the Company has already achieved an annualized nameplate module capacity of approximately 1.9GW. Trina Solar's wide range of products are used in residential, commercial, industrial and public utility applications throughout the world.

Only by matching an efficient cost-structure with proven performance will we as an industry achieve grid parity. And at Trina Solar, we have both.

Trina Solar Limited
www.trinasolar.com

Trinasolar
The power behind the panel



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



Guaranteed power output **0~+3%**



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



Modules using Quadmax technology have up to **8%** more power output



Exceptional module conversion efficiency of up to **16.4%** through NEW manufacturing process



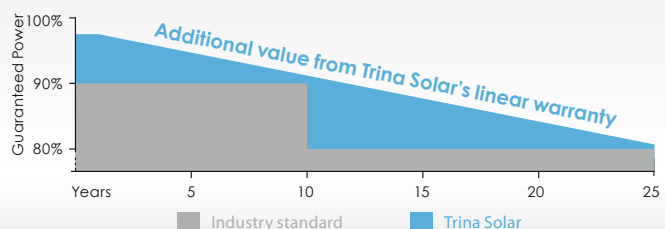
Manufactured according to International Quality and Environment Management System Standards **ISO9001, ISO14001**



Black frame improves **aesthetics**

LINEAR PERFORMANCE WARRANTY

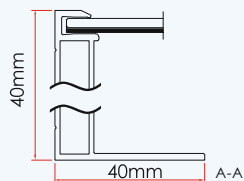
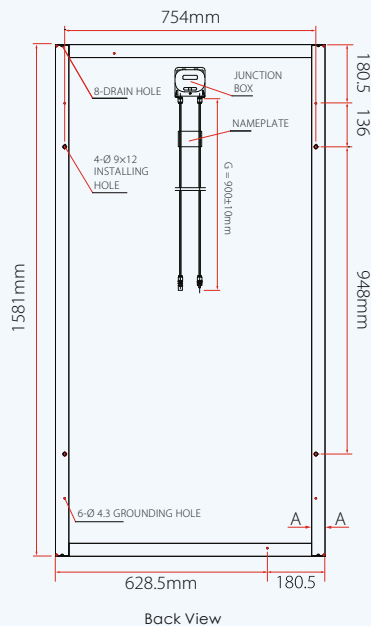
10 Year Product Warranty • 25 Year Linear Power Warranty



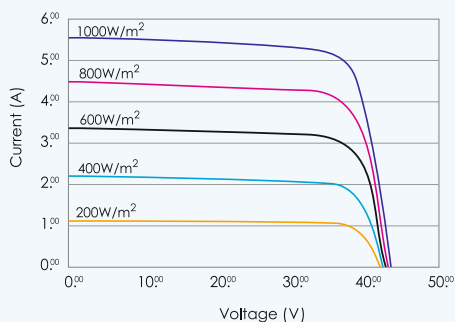
NEW

TSM-DC80.08 THE **Quadmax** SOLUTION

DIMENSIONS OF PV MODULE TSM-DC80.08



I-V CURVES OF PV MODULE TSM-200 DC/DA 80.08



Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1.

CERTIFICATION



ELECTRICAL DATA @ STC	TSM-195 DC80.08	TSM-200 DC80.08	TSM-205 DC80.08	TSM-210 DC80.08
Peak Power Watts-P _{MAX} (Wp)	195	200	205	210
Power Output Tolerance-P _{MAX} (%)	0/+3	0/+3	0/+3	0/+3
Maximum Power Voltage-V _{MP} (V)	36.7	37.1	37.7	38.3
Maximum Power Current-I _{MPP} (A)	5.31	5.39	5.43	5.48
Open Circuit Voltage-V _{OC} (V)	45.4	45.7	46.2	46.6
Short Circuit Current-I _{SC} (A)	5.70	5.77	5.83	5.88
Module Efficiency η _m (%)	15.2	15.6	16.0	16.4

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

ELECTRICAL DATA @ NOCT	TSM-195 DC80.08	TSM-200 DC80.08	TSM-205 DC80.08	TSM-210 DC80.08
Maximum Power (W)	144	147	151	155
Maximum Power Voltage (V)	33.6	34.0	34.6	34.9
Maximum Power Current (A)	4.27	4.33	4.35	4.42
Open Circuit Voltage (V)	42.0	42.2	42.7	43.0
Short Circuit Current (A)	4.60	4.65	4.66	4.74

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1M/s.

MECHANICAL DATA

Solar cells	Monocrystalline 125 x 125mm (5 inches)
Cell orientation	72 cells (6 x 12)
Module dimension	1581 x 809 x 40mm (62.24 x 31.85 x 1.57 inches)
Weight	15.6kg (34.4 lb)
Glass	High transparency solar glass 3.2mm (0.13 inches)
Frame	Anodized aluminium alloy
J-Box	IP 65 rated
Cables / Connector	Photovoltaic Technology cable 4.0mm ² (0.006 inches ²), 900mm (35.4 inches), MC4

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	46°C (±2°C)
Temperature Coefficient of P _{MAX}	- 0.39%/K
Temperature Coefficient of V _{OC}	- 0.30%/K
Temperature Coefficient of I _{SC}	0.040%/K

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC(IEC)/600V DC(UL)
Max Series Fuse Rating	10A

WARRANTY

10 year workmanship warranty
25 year linear performance warranty
(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 23 pcs
Modules per 40' container: 644 pcs