

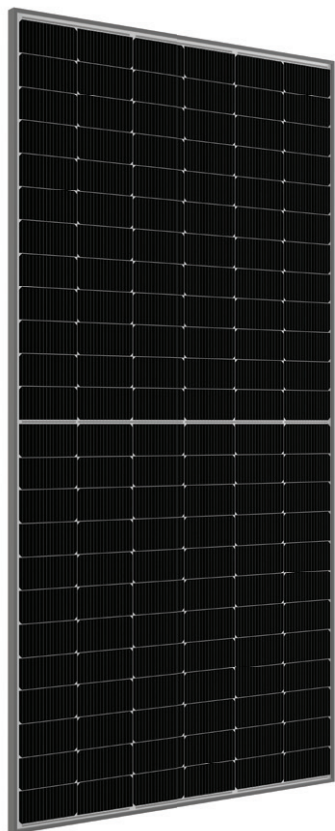


TORGES SOLAR

TOPCON MONOCRYSTALLINE HALF-CUT SOLAR PANEL

144TN10

585-630Wp



Multi-BB Technology

New Circuit Design,
Low Internal Current,
Low Internal Resistance
Loss



Outstanding Low Irradiation Glass

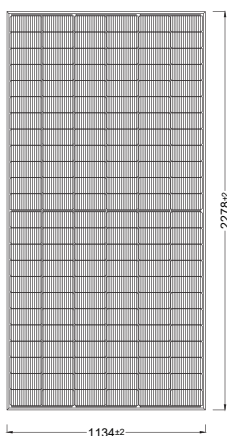
Optimized System
Performance Through
Current Sequencing



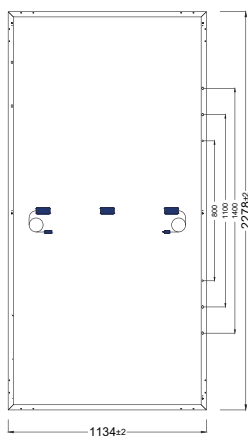
Ideal Installation

Ideal for
Installation

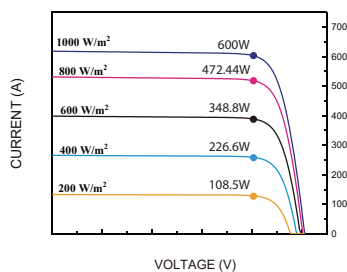
FRONT VIEW



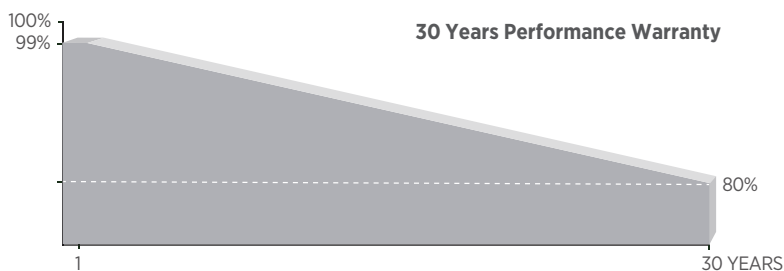
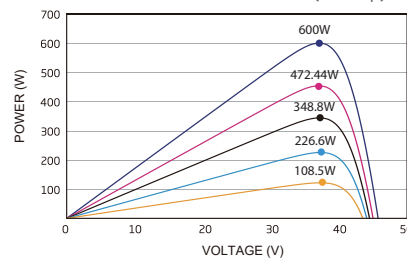
BACK VIEW



CURRENT - VOLTAGE CURVE (600Wp)



POWER & VOLTAGE CURVE (600Wp)





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TOPCON MONOCRYSTALLINE HALF-CUT SOLAR PANEL

TECHNICAL SPECIFICATIONS

Model Type	585 144TN10	590 144TN10	595 144TN10	600 144TN10	605 144TN10	610 144TN10	615 144TN10	620 144TN10	625 144TN10	630 144TN10
Peak Power (P _{max})	585 Wp	590 Wp	595 Wp	600 Wp	605 Wp	610Wp	615Wp	620Wp	625Wp	630Wp
Module Efficiency	22.65	22.84	23.03	23.23	23.42	23.61	23.81	24.00	24.19	24.39
Maximum Power Voltage (V _{mp})	43.15	43.35	43.55	43.75	43.95	44.15	44.35	44.55	44.75	44.95
Maximum Power Current (I _{mp})	13.56	13.62	13.67	13.72	13.77	13.82	13.87	13.92	13.97	14.02
Open Circuit Voltage (V _{oc})	51.18	51.38	51.58	51.78	51.98	52.18	52.38	52.58	52.78	52.98
Short Circuit Current (I _{sc})	14.38	14.45	14.53	14.60	14.68	14.75	14.82	14.90	14.97	15.05
Maximum Series Fuse Rating	25A									
Maximum System Voltage	1500V DC									
Fire Safety Class	Class II									
Operating Temperature	-40 ~ +85°C									
Power Tolerance	±%7									
Cell Dimensions(mm)	182x91									
Cells per Module(pcs)	144 (6x24)									
Weight(kg)	29.0									
Panel Dimensions(mm)	2278x1134x30 / 2278x1134x35									
Junction Box	IP68									
Junction Box Cable Length(mm)	300-1600									

TEMPERATURE COEFFICIENT

Temp. Coeff. of (I _{sc})	0.040%/°C
Temp. Coeff. of (V _{oc})	-0.260%/°C
Temp. Coeff. of (P _{max})	-0.340%/°C

PACKAGING

Container	40' GP	40' GP
Frame Thickness(mm)	30	35
Pieces per Pallet	36	31
Pieces Per Container	720	620
Pallet Per Container	20	20

*The above data is obtained under standard test conditions (STC): 1000 W/m² solar irradiance, 1.5(AM) air mass and 25°C cell temperature. Measurement uncertainty for all panels is ±%7. Actual data shall be depend to contracts. The technical values in this document are for informational purposes only and are not part of contracts. The technical specifications in this document are subject to change. Please refer to the "Installation Installation Guide" for detailed information.