



TP-575-GB 550-575W

N-Type TOPCon-144cell-M10 Monofacial
Maximum Efficiency 22.3%
Positive Power Tolerance 0~+5W

10-30% Additional Power Generation

30 years lifespan brings 10-30% additional power generation

Zero LID

N-type solar cell has no LID naturally which can increase power generation

Better Weak Light Performance

Higher power output even under low-light environment like on cloudy or foggy days

Lower Temperature Coefficient

Better performance of the solar panel in higher temperature environment or hot days

More Weather Resistance

Resistant to harsh environment such as salt, ammonia, sand, high temperature and high humidity

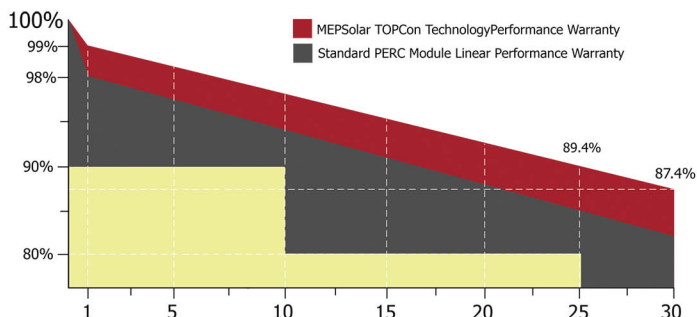


Product & System Certificates

IEC61215/IEC61730

ISO9001 : Quality Management System

ISO14001 : Environment Management System



Mana Energy Pak

Address: Unit 5, No.4, Jamishidi str, Saadat Abad Blvd, Tehran, IRAN

TEL: +98 - 21 79157000 WEB: www.manaenergypak.com EMAIL: info@manaenergypak.com

Electrical Specification (STC) - Front Side

STC: AM1.5 1000W/m² 25°C [Test Uncertainty: ±3%]

Model	TP-575-GB 550	TP-575-GB 555	TP-575-GB 560	TP-575-GB 565	TP-575-GB 570	TP-575-GB 575
Max Power P _{mp} [W]	550	555	560	565	570	575
Max Power Voltage V _{mp} [V]	41.64	41.79	41.95	42.14	42.29	42.44
Max Power Current I _{mp} [A]	13.22	13.29	13.35	13.41	13.48	13.55
Open Circuit Voltage V _{oc} [V]	50.27	50.47	50.67	50.87	51.07	51.27
Short Circuit Current I _{sc} [A]	14.01	14.07	14.13	14.19	14.25	14.31
Efficiency [%]	21.3	21.5	21.7	21.9	22.1	22.3

*Positive Power Tolerance 0~+5W

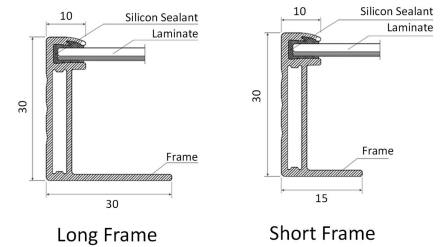
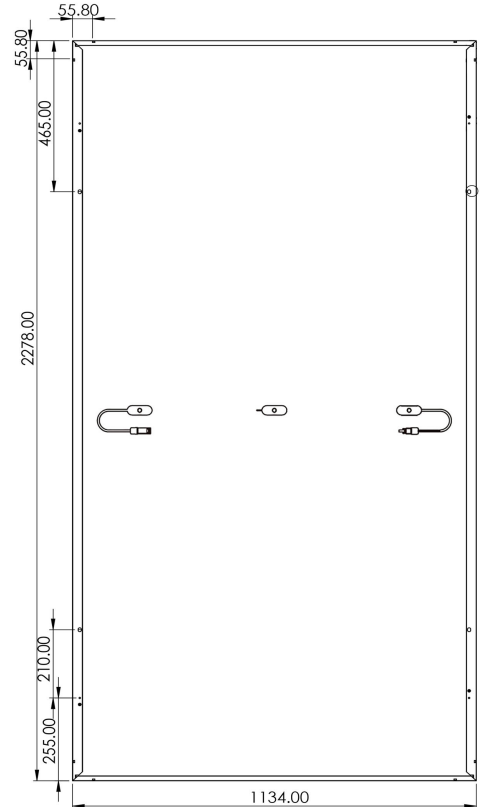
Electrical Specification (NMOT) - Front Side

NMOT: 800W/m² 20°C 1m/s [Test Uncertainty: ±3%]

Model	TP-575-GB 550	TP-575-GB 555	TP-575-GB 560	TP-575-GB 565	TP-575-GB 570	TP-575-GB 575
Max Power P _{mp} [W]	413	417	421	424	428	432
Max Power Voltage V _{mp} [V]	39.13	39.26	39.39	39.52	39.65	39.78
Max Power Current I _{mp} [A]	10.57	10.63	10.69	10.75	10.81	10.87
Open Circuit Voltage V _{oc} [V]	47.75	47.94	48.13	48.32	48.51	48.70
Short Circuit Current I _{sc} [A]	11.32	11.37	11.41	11.46	11.50	11.55

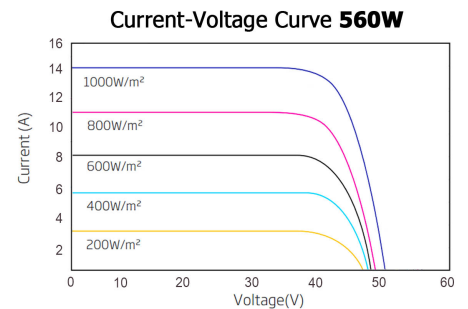
Mechanical Data

Solar Cell	N-Type 182mm x 91mm - [12x12]
Module Dimension	2278x1134x30 mm
Weight	28.6kg
Front Cover	Glass - 3.2mm High Transmission. Tempered AR Coated
Back Cover	White Backsheet
Frame	Silver - Anodized Aluminium Alloy
Junction Box	IP68 Rated - 3 Bypass Diodes
Cable	4.0m ² - 300mm



Temperature Ratings

Temperature Coefficient	I _{sc}	α	[%/°C]	+0.046
Temperature Coefficient	V _{oc}	β	[%/°C]	-0.25
Temperature Coefficient	P _{max}	γ	[%/°C]	-0.30
Nominal Module Operating Temperature	NMOT		[°C]	43 ± 2

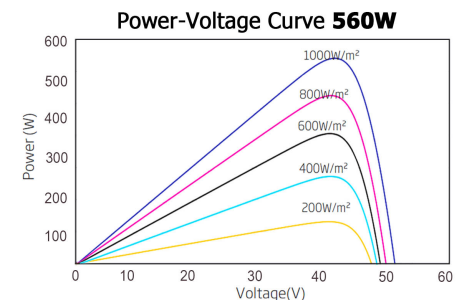


Operating Properties

Max System Voltage	1500V
Max System Fuse Rating	25 A
Operational Temperature	-40 to +85 °C
Power Tolerance	+5W

Packaging Information

# Module per Pallet	35
# Pallet per 45'HC Container	22
# Pallet per 40'HC Container	20
# PCs per Container 40'HC	700
Pallet Weight (kg)	1010



Caution:

To operate, install and manage MEPSOLAR's modules, read the installation manual and use carefully.

Observations:

This Datasheet is subject to change without notice due to continuous improvement of our products. You can find all records of the updates on our website www.manaenergypak.com or by contacting one of our sales staff. All rights reserved ©Mana Energy Pak



Mana Energy Pak

TEL: +98 - 21 79157000

EMAIL: info@manaenergypak.com

Address: Unit 5, No.4, Jamshidi st, Saadat Abad Blvd, Tehran, IRAN