



PR-555-GB 530-555W

MonoPERC-144cell-M10 Monofacial
Maximum Efficiency 21.5%
Positive Power Tolerance 0~+5W

High Conversion Efficiency

High panel efficiency to guarantee high power output

Better Weak Light Performance

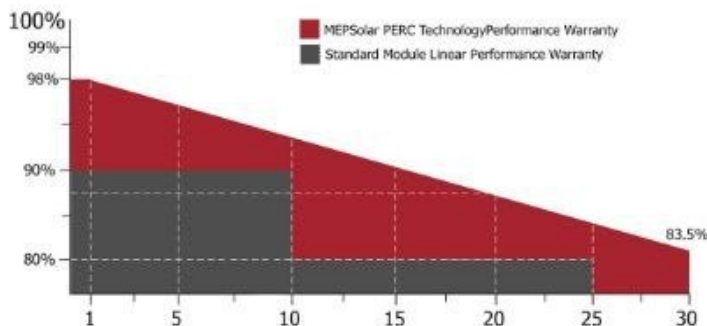
Higher power output even under low-light environment like on cloudy or foggy days

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 area



Product & System Certificates

IEC61215/IEC61730

ISO9001 : Quality Management System

ISO14001 : Environment Management System



Mana Energy Pak

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Electrical Specification (STC) - Front Side

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

Model	PR-555-GB 530	PR-555-GB 535	PR-555-GB 540	PR-555-GB 545	PR-555-GB 550	PR-555-GB 555
Max Power P _{mp} [W]	530	535	540	545	550	555
Max Power Voltage V _{mp} [V]	41.90	42.02	42.14	42.26	42.38	42.50
Max Power Current I _{mp} [A]	12.66	12.74	12.82	12.91	12.98	13.07
Open Circuit Voltage V _{oc} [V]	50.95	51.06	51.17	51.28	51.39	51.50
Short Circuit Current I _{sc} [A]	13.43	13.50	13.58	13.64	13.71	13.80
Efficiency [%]	20.5	20.7	20.9	21.1	21.3	21.5

*Positive Power Tolerance 0~+5W

Electrical Specification (NMOT) - Front Side

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

Model	PR-555-GB 530	PR-555-GB 535	PR-555-GB 540	PR-555-GB 545	PR-555-GB 550	PR-555-GB 555
Max Power P _{mp} [W]	397	401	405	409	412	416
Max Power Voltage V _{mp} [V]	39.05	39.18	39.30	39.46	39.62	39.81
Max Power Current I _{mp} [A]	10.17	10.23	10.30	10.36	10.40	10.46
Open Circuit Voltage V _{oc} [V]	48.09	48.17	48.22	48.33	48.47	48.55
Short Circuit Current I _{sc} [A]	10.75	10.80	10.87	10.92	10.98	11.05

Mechanical Data

Solar Cell	P-Type 182mm x 91mm - [12x12]
Module Dimension	2278x1134x30 mm
Weight	26.1kg
Front Cover	Glass - 3.2mm 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

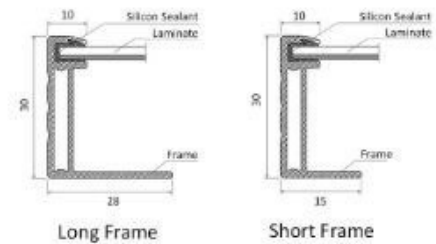
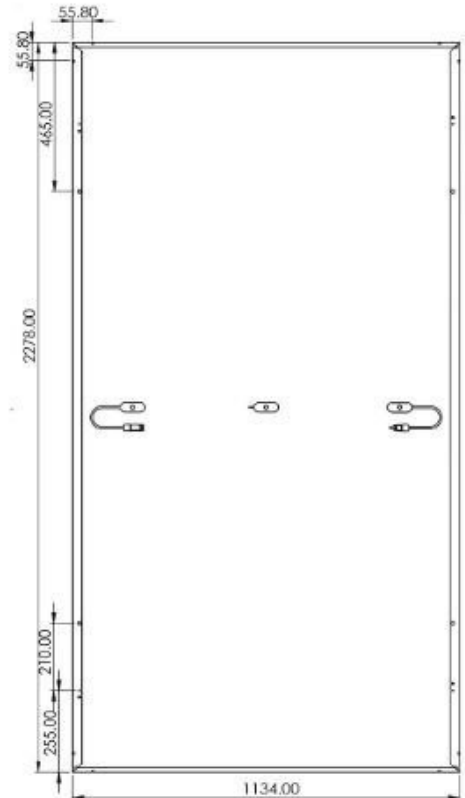
Temperature Coefficient	I _{sc}	α	[%/°C]	+0.05
Temperature Coefficient	V _{oc}	β	[%/°C]	-0.27
Temperature Coefficient	P _{max}	γ	[%/°C]	-0.35
Nominal Module Operating Temperature	NMOT		[°C]	44 ± 2

Operating Properties

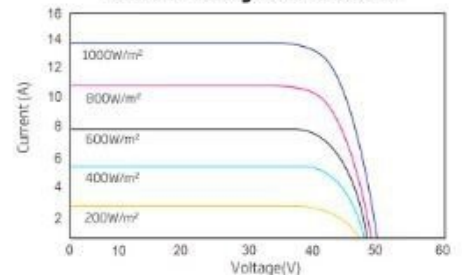
Max System Voltage	1500V
Max System Fuse Rating	25 A
Operational Temperature	-40 to +85 °C
Power Tolerance	+5W

Packaging Information

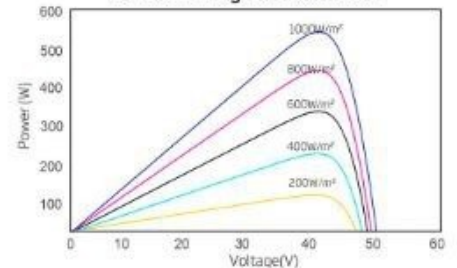
# Module per Pallet	35
# Pallet per 45HC Container	22
# Pallet per 40HC Container	20
# PCs per Container 40HC	700
Pallet Weight (kg)	920



Current-Voltage Curve 550W



Power-Voltage Curve 550W



Caution:

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

Observations:

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