



# 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

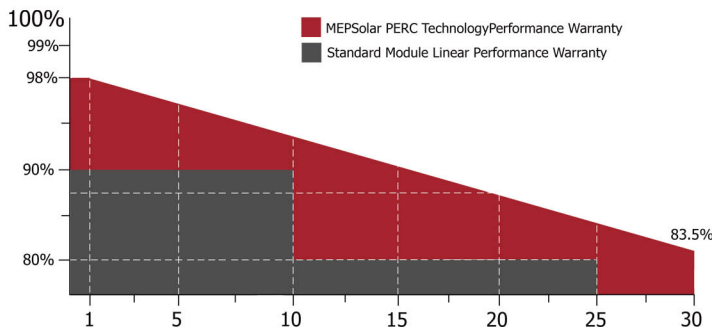
Higher power output even under low-light environment like on cloudy or foggy days

### 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/m<sup>2</sup> 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 <sub>mp</sub>	[W]	530	535	540	545	550	555
Max Power Voltage	V <sub>mp</sub>	[V]	41.90	42.02	42.14	42.26	42.38	42.50
Max Power Current	I <sub>mp</sub>	[A]	12.66	12.74	12.82	12.91	12.98	13.07
Open Circuit Voltage	V <sub>oc</sub>	[V]	50.95	51.06	51.17	51.28	51.39	51.50
Short Circuit Current	I <sub>sc</sub>	[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/m<sup>2</sup> 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 <sub>mp</sub>	[W]	397	401	405	409	412	416
Max Power Voltage	V <sub>mp</sub>	[V]	39.05	39.18	39.30	39.46	39.62	39.81
Max Power Current	I <sub>mp</sub>	[A]	10.17	10.23	10.30	10.36	10.40	10.46
Open Circuit Voltage	V <sub>oc</sub>	[V]	48.09	48.17	48.22	48.33	48.47	48.55
Short Circuit Current	I <sub>sc</sub>	[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 <sup>2</sup> - 300mm

### Temperature Ratings

Temperature Coefficient	I <sub>sc</sub>	α	[%/°C]	+0.05
Temperature Coefficient	V <sub>oc</sub>	β	[%/°C]	-0.27
Temperature Coefficient	P <sub>max</sub>	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 45'HC Container	22
# Pallet per 40'HC Container	20
# PCs per Container 40'HC	700
Pallet Weight (kg)	920

### 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](http://www.manaenergypak.com) or by contacting one of our sales staff. All rights reserved ©Mana Energy Pak



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