



PR-665-GB 640-665W

MonoPERC-132cell-G12 Monofacial
Maximum Efficiency 21.4%
Positive Power Tolerance 0~+5W

High Conversion Efficiency

High panel efficiency to guarantee high power output

Better Weak Light Performance

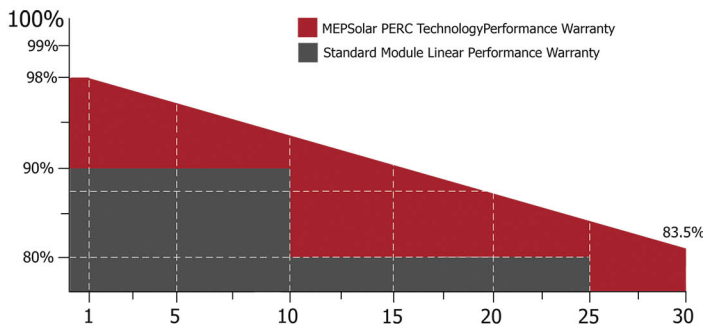
Higher power output even under low-light environment like on cloudy or foggy days

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-665-GB 640	PR-665-GB 645	PR-665-GB 650	PR-665-GB 655	PR-665-GB 660	PR-665-GB 665
Max Power P _{mp} [W]	640	645	650	655	660	665
Max Power Voltage V _{mp} [V]	37.57	37.83	38.09	38.16	38.35	38.55
Max Power Current I _{mp} [A]	17.05	17.06	17.10	17.17	17.21	17.25
Open Circuit Voltage V _{oc} [V]	44.49	44.69	44.89	45.09	45.29	45.49
Short Circuit Current I _{sc} [A]	18.20	18.23	18.27	18.31	18.36	18.41
Efficiency [%]	20.6	20.8	20.9	21.1	21.2	21.4

*Positive Power Tolerance 0~+5W

Electrical Specification (NMOT) - Front Side

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

Model	PR-665-GB 640	PR-665-GB 645	PR-665-GB 650	PR-665-GB 655	PR-665-GB 660	PR-665-GB 665
Max Power P _{mp} [W]	480	483	487	491	496	499
Max Power Voltage V _{mp} [V]	35.20	35.31	35.55	35.72	35.97	36.11
Max Power Current I _{mp} [A]	13.64	13.69	13.71	13.75	13.79	13.82
Open Circuit Voltage V _{oc} [V]	42.19	42.28	42.45	42.71	42.93	43.09
Short Circuit Current I _{sc} [A]	14.70	14.74	14.78	14.83	14.87	14.91

Mechanical Data

Solar Cell	P-Type 210mm x 105mm - [12x11]
Module Dimension	2384x1302x30 mm
Weight	33kg
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	30 A
Operational Temperature	-40 to 85 °C
Power Tolerance	+5W

Packaging Information

# Module per Pallet	35
# Pallet per 45'HC Container	12
# Pallet per 40'HC Container	10
# PCs per Container 40'HC	350
Pallet Weight (kg)	1160

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

