



PC-340-GB 310-340W

Poly-Crystalline-72cell-M2

Maximum Efficiency
17.5%

Positive Power Tolerance
0~+5W



Optimum Value

1500V system voltage results in lower BOS cost
Good for large scale installations



Higher Reliability

In-house testing beyond standard requirements
100% EL double inspection



Robust and Corrosion Free

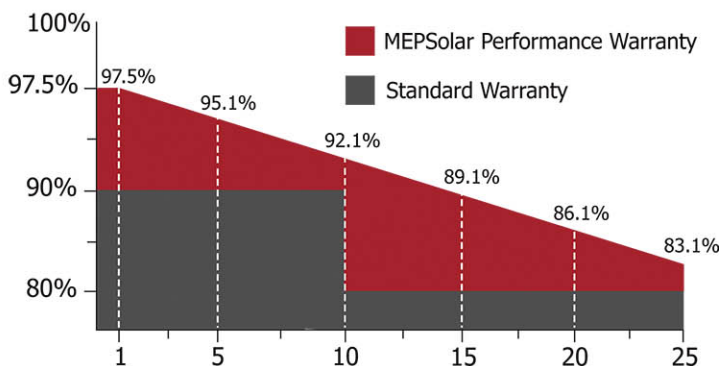
2400Pa wind load - 5400Pa snow load
25mm Hail stone at 82 km/h

Product & System Certificates

IEC61215/IEC61730

ISO9001 : Quality Management System

ISO14001 : Environment Management System



Mana Energy Pak

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Electrical Specification (STC)			STC: AM1.5 1000W/m ² 25°C [Test Uncertainty: ±3%]						
Model			PC-340-GB 310	PC-340-GB 315	PC-340-GB 320	PC-340-GB 325	PC-340-GB 330	PC-340-GB 335	PC-340-GB 340
Max Power	P _{mp}	[W]	310	315	320	325	330	335	340
Max Power Voltage	V _{mp}	[V]	36.65	36.73	36.81	36.89	36.97	37.05	37.09
Max Power Current	I _{mp}	[A]	8.47	8.59	8.71	8.82	8.93	9.05	9.17
Open Circuit Voltage	V _{oc}	[V]	45.10	45.25	45.42	45.60	45.75	45.89	45.98
Short Circuit Current	I _{sc}	[A]	8.92	9.05	9.20	9.34	9.45	9.58	9.67
Efficiency		[%]	16.0	16.2	16.5	16.7	17.0	17.3	17.5

*Positive Power Tolerance 0~+5W

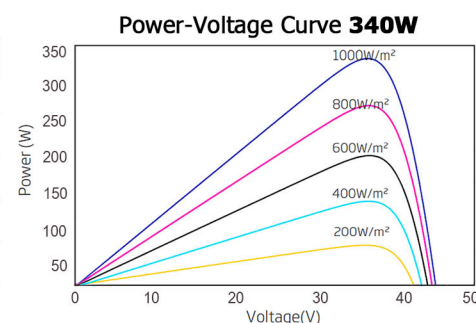
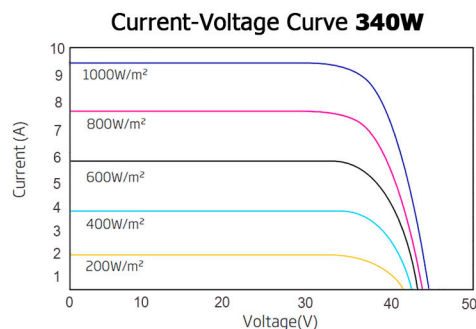
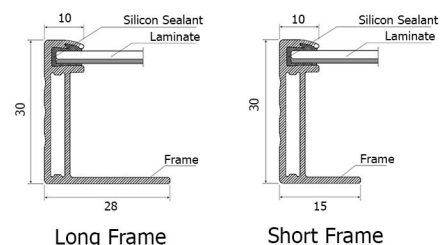
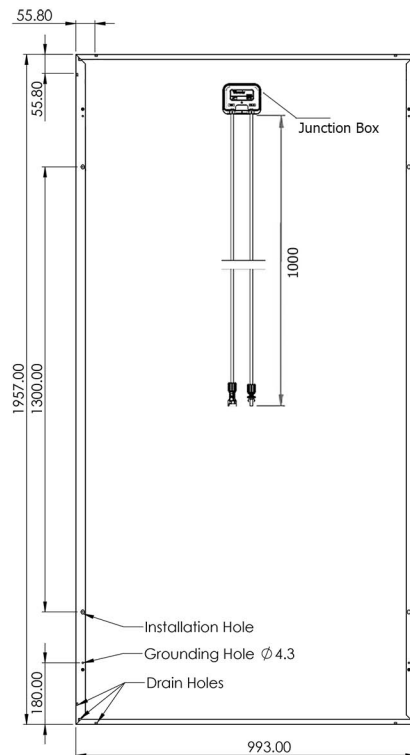
Electrical Specification (NMOT)			NMOT: 800W/m ² 20°C 1m/s [Test Uncertainty: ±3%]						
Max Power	P _{mp}	[W]	230	233	237	241	244	248	252
Max Power Voltage	V _{mp}	[V]	33.82	33.90	33.97	34.04	34.12	34.19	34.27
Max Power Current	I _{mp}	[A]	6.80	6.87	6.98	7.08	7.15	7.25	7.35
Open Circuit Voltage	V _{oc}	[V]	41.88	41.96	42.04	42.10	42.17	42.26	42.31
Short Circuit Current	I _{sc}	[A]	7.14	7.24	7.36	7.48	7.56	7.64	7.80

Mechanical Data	
Solar Cell	Poly-Crystalline - 157mm- [6x12]
Module Dimension	1957x993x30 mm
Weight	23kg
Front Cover	Glass - 3.2mm High Transmition. Tempered AR Coated
Back Cover	White Backsheet
Frame	Silver - Anodized Aluminium Alloy
Junction Box	IP68 Rated - 3 Bypass Diodes
Cable	PV Tech Cable 4.0m ² -1000mm
Connector	MC4 Compatible (1500V)

Temperature Ratings				
Temperature Coefficient	I _{sc}	α	[%/°C]	+0.05
Temperature Coefficient	V _{oc}	β	[%/°C]	-0.32
Temperature Coefficient	P _{max}	γ	[%/°C]	-0.41
Nominal Module Operating Temperature	NMOT		[°C]	45 ± 2

Properties for System Design	
Max System Voltage	1500V
Max System Fuse Rating	15 A
Safety Class	II
Fire Rating	C/Type 2
Operational Temperature	-40 to +85 °C

Packaging Information	
# Module per Pallet	31
# Pallet per 45'HC Container	22
# Pallet per 40'HC Container	20
# PCs per Container 40'HC	620
Pallet Weight (kg)	718



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

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