



310-340W

72Cell PolyCrystalline Module

Maximum Efficiency **17.53%**

Positive Power Tolerance **0~+5W**



Optimum Value

1500V system voltage results in lower BOS cost
Low thermal coefficient for more energy production
Good for large scale installations



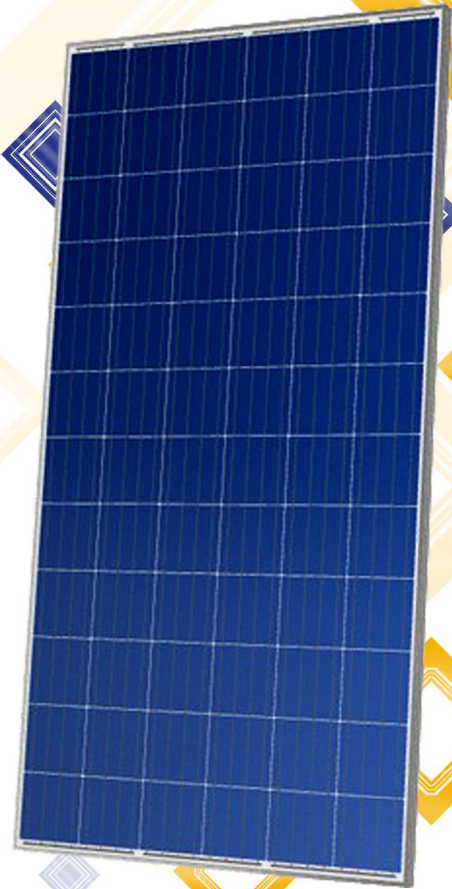
Higher Reliability

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



Robust and Corrosion Free

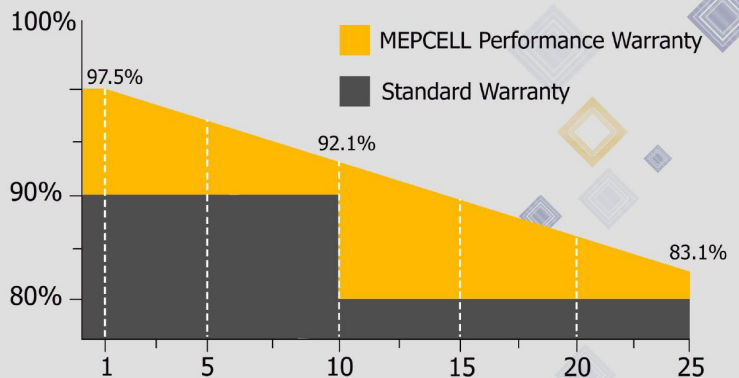
2400Pa wind load - 5400Pa snow load
25mm Hail stone at 82 km/h



Product & System Certificates

ISO9001 : Quality Management System

ISO14001 : Environment Management System



Electrical Specification (STC)

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

Model	MPP-72FC 310	MPP-72FC 315	MPP-72FC 320	MPP-72FC 325	MPP-72FC 330	MPP-72FC 335	MPP-72FC 340
Max Power P _{mp} [W]	310	315	320	325	330	335	340
Max Power Voltage V _{mp} [V]	37.22	37.37	37.51	37.66	37.80	37.95	38.10
Max Power Current I _{mp} [A]	8.63	8.75	8.86	8.97	9.08	9.20	9.30
Open Circuit Voltage V _{oc} [V]	45.35	45.54	45.73	45.92	46.11	46.30	46.50
Short Circuit Current I _{sc} [A]	9.29	9.30	9.32	9.34	9.36	9.38	9.40
Efficiency [%]	15.98	16.23	16.49	16.74	17.00	17.26	17.53

*Positive Power Tolerance 0-+5W

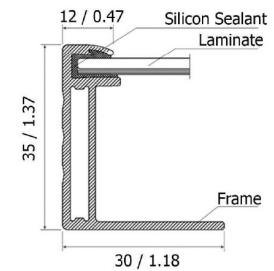
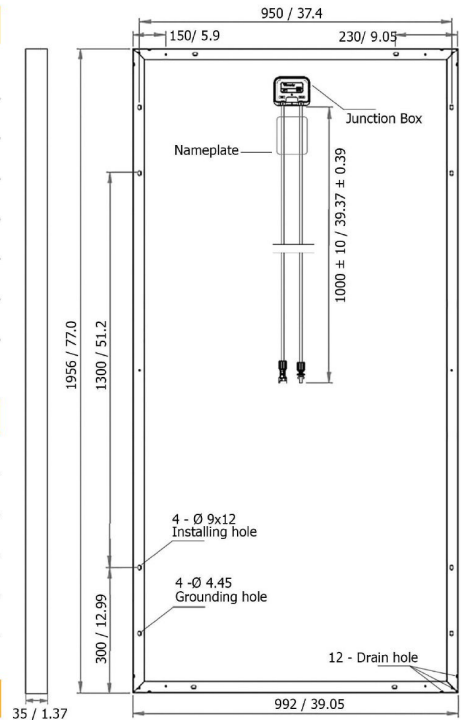
Electrical Specification (NMOT)

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

Model	MPP-72FC 310	MPP-72FC 315	MPP-72FC 320	MPP-72FC 325	MPP-72FC 330	MPP-72FC 335	MPP-72FC 340
Max Power P _{mp} [W]	238	242	245	249	253	257	261
Max Power Voltage V _{mp} [V]	33.43	33.57	33.70	33.84	33.97	34.11	34.25
Max Power Current I _{mp} [A]	6.73	6.85	6.96	7.07	7.19	7.31	7.41
Open Circuit Voltage V _{oc} [V]	40.95	41.13	41.31	41.48	41.66	41.83	42.02
Short Circuit Current I _{sc} [A]	7.40	7.41	7.43	7.45	7.47	7.49	7.51

Mechanical Data

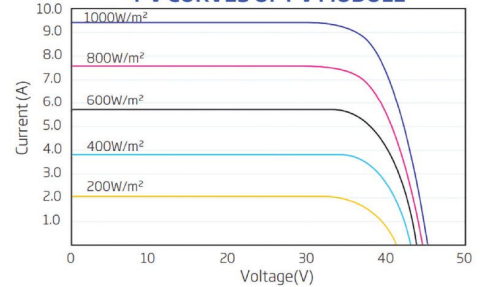
Solar Cell	Poly-Crystalline - 156.75mm (6") - [6x12]
Module Dimension	1956x992x35 mm (77.0x39.05x1.37 inches)
Weight	23kg [50.7lb]
Front Cover	Glass - 3.2mm High Transmition. Temperd AR Coated
Back Cover	White - 300μ
Frame	Silver Anodized Aluminium Alloy
Junction Box	IP68 Rated - 3 Bypass Diodes
Cable	PV Tech Cable 4.0m ² (0.006 inches ²)-1000mm(39.37")
Connector	MC4 Compatible (1500V)



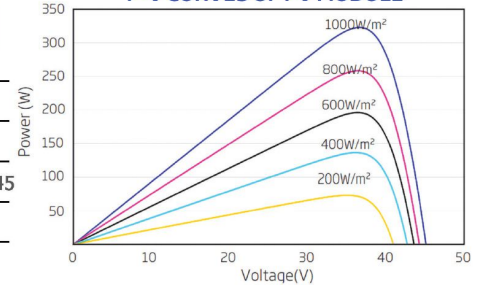
Temperature Ratings

Temperature Coefficient	I _{sc}	α	[%/°C]	+0.05
Temperature Coefficient	V _{oc}	β	[%/°C]	-0.34
Temperature Coefficient	P _{max}	γ	[%/°C]	-0.45
Nominal Module Operating Temperature	NMOT		[°C]	45 ± 2

I-V CURVES OF PV MODULE



P-V CURVES OF PV MODULE



Properties for System Design

Max System Voltage	1500V
Max System Fuse Rating	20 A
Safety Class	II
Fire Rating	C/Type 2
Operational Temperature	-40 to +85 °C

Packaging Information

# Module per Pallet	27
# Pallet per 45'hc Container	24
# Pallet per 40'hc Container	22
Pallet Dimension (mm)	1995x1120x1145
Pallet Weight (kg)	646

Caution:

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

Observations:

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