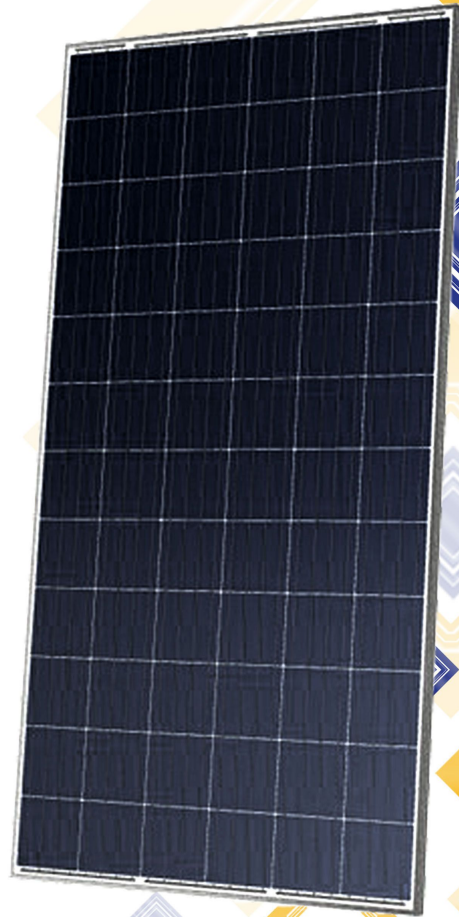


360-390W

72Cell MonoCrystalline Module

Maximum Efficiency **20.1%**

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

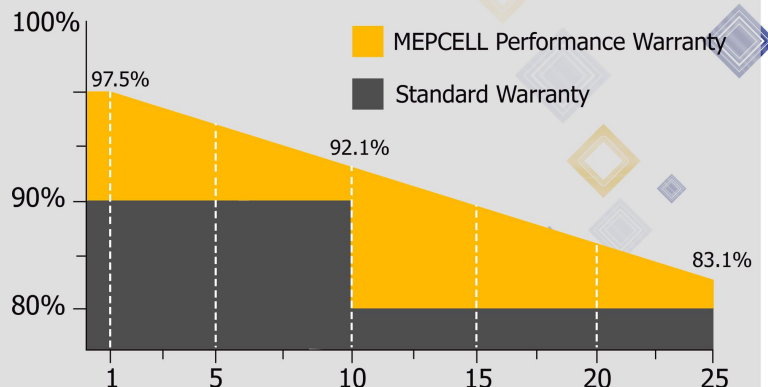
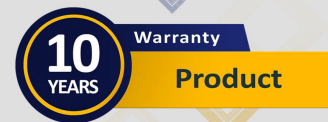


Robust and Corrosion Free

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	MPM-72FC 360	MPM-72FC 365	MPM-72FC 370	MPM-72FC 375	MPM-72FC 380	MPM-72FC 385	MPM-72FC 390
Max Power P _{mp} [W]	360	365	370	375	380	385	390
Max Power Voltage V _{mp} [V]	38	38.5	39	39.5	40	40.5	41
Max Power Current I _{mp} [A]	9.08	9.2	9.32	9.44	9.56	9.68	9.80
Open Circuit Voltage V _{oc} [V]	46.78	47.2	47.63	48.1	48.47	48.9	49.33
Short Circuit Current I _{sc} [A]	9.63	9.7	9.77	9.85	9.92	10	10.07
Efficiency [%]	18.55	18.80	19.07	19.33	19.58	19.89	20.10

*Positive Power Tolerance 0-+5W

Electrical Specification (NMOT)

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

Model	MPM-72FC 280	MPM-72FC 284	MPM-72FC 288	MPM-72FC 292	MPM-72FC 296	MPM-72FC 301	MPM-72FC 304
Max Power P _{mp} [W]	280	284	288	292	296	301	304
Max Power Voltage V _{mp} [V]	34.8	35.3	35.8	36.3	36.8	37.3	37.6
Max Power Current I _{mp} [A]	7.66	7.78	7.9	8.02	8.15	8.27	8.39
Open Circuit Voltage V _{oc} [V]	43.11	43.51	43.91	44.36	44.76	45.11	45.51
Short Circuit Current I _{sc} [A]	8.22	8.29	8.36	8.44	8.51	8.59	8.66

Mechanical Data

Solar Cell	Mono-Crystalline PERC - 156.75mm (6") - [6x12]
Module Dimension	1956x992x35 mm (77.0x39.05x1.37 inches)
Weight	23kg [50.7lb]
Front Cover	Glass - 3.2mm High Transmission. Tempered 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

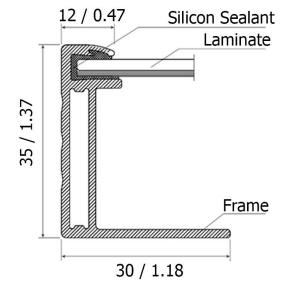
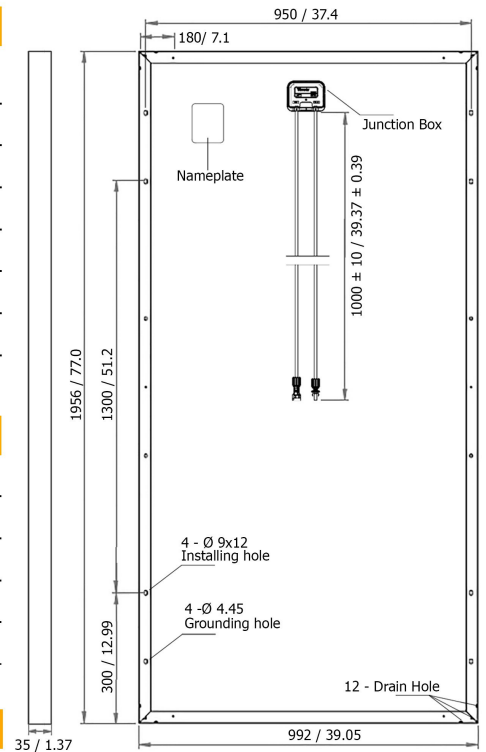
Temperature Coefficient	I _{sc}	α	[%/°C]	+0.05
Temperature Coefficient	V _{oc}	β	[%/°C]	-0.30
Temperature Coefficient	P _{max}	γ	[%/°C]	-0.39
Nominal Module Operating Temperature	NMOT		[°C]	45 ± 2

Properties for System Design

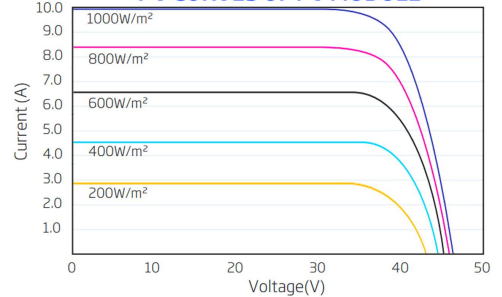
Max System Voltage	1500V
Max System Fuse Rating	20 A
Safety Class	II
Fire Rating	C/Type 2
Operational Temperature	-40 to +85 °C

Packaging Information

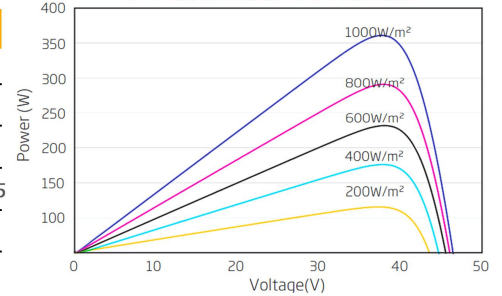
# Module per Pallet	27
# Pallet per 45'HC Container	24
# Pallet per 40'HC Container	22
Pallet Dimension (mm)	1995x1120x1145
Pallet Weight (kg)	646



I-V CURVES OF PV MODULE



P-V CURVES OF PV MODULE



Caution:

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

Observations:

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