

# HIGH PERFORMANCE POLYCRYSTALLINE MODULE

**MS72-6-325P-345P**

**72 CELL POLYCRYSTALLINE MODULE**

**325-345Wp POWER OUTPUT RANGE**

**1500VDC MAXIMUM SYSTEM VOLTAGE**

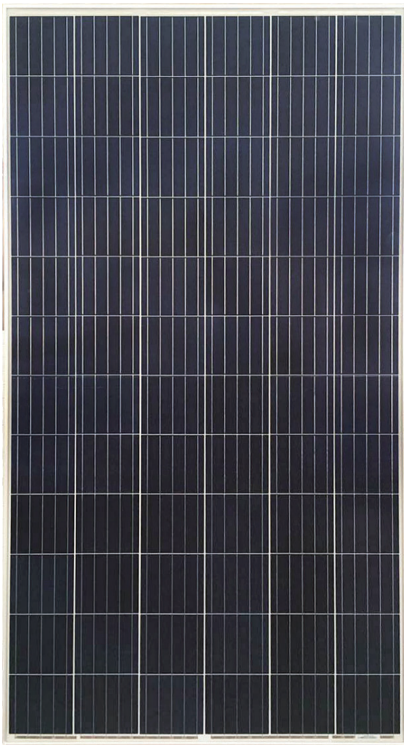
**17.8% MAXIMUM EFFICIENCY**



**MEGA SOLAR**

## About MEGA SOLAR Energy

MEGA SOLAR Energy is a leading, global tier 1 manufacturer of high-performance solar photovoltaic products and provider of total business solutions for residential, commercial and utility-scale power generation. The company, founded in 1986, and publicly listed in 2010, compels value generation for its chosen global customers. Techno-commercial innovation, underpinned by consummate quality and support, encircle MEGA SOLAR Energy's total Solar PV business solutions which are among the most powerful and cost-effective in the industry. With local market presence and strong financial bankability status, we are committed, and able, to building strategic, mutually beneficial collaborations with our partners, as together we capitalise on the rising value of green energy.



## KEY SALIENT FEATURES



Global, Tier 1 bankable brand, with independently certified state-of-the-art automated manufacturing



Industry leading lowest thermal co-efficient of power



Industry leading 12 years product warranty



Excellent low irradiance performance



Excellent PID resistance



Positive tight power tolerance



Dual stage 100% EL Inspection warranting defect-free product



Module Imp binning radically reduces string mismatch losses

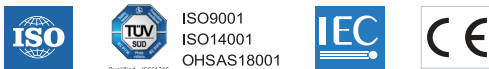


Warranted reliability and stringent quality assurances well beyond certified requirements



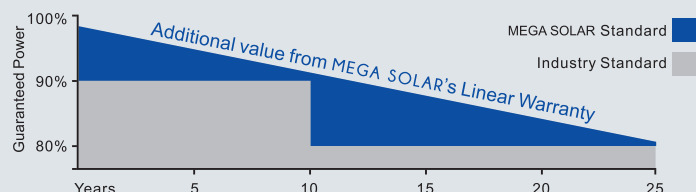
Certified to withstand severe environmental conditions

- ♦ Anti-reflective & anti-soiling surface minimise power loss from dirt and dust
- ♦ Severe salt mist, ammonia & blown sand resistance, for seaside, farm and desert environments
- ♦ Excellent mechanical load 2400Pa & snow load 5400Pa resistance



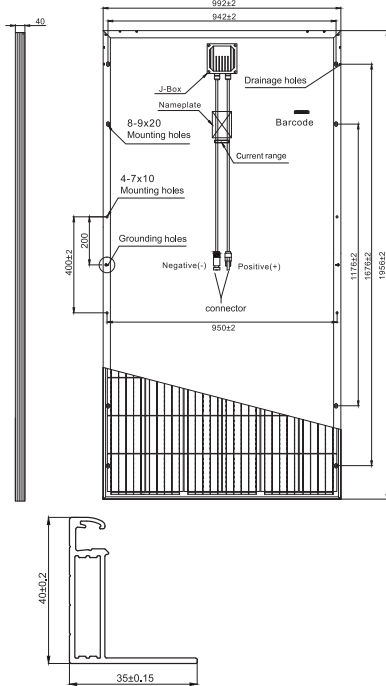
## LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 25 year Linear Power Warranty



### Dimensions of PV Module

Unit: mm



### ELECTRICAL DATA (STC)

Model Number	MS 72-6-325P	MS72-6-330P	MS72-6-335P	MS72-6-340P	MS72-6-345P
Rated Power in Watts-Pmax(Wp)	325	330	335	340	345
Open Circuit Voltage-Voc(V)	45.50	45.70	45.90	46.10	46.30
Short Circuit Current-Isc(A)	9.20	9.30	9.40	9.50	9.60
Maximum Power Voltage-Vmpp(V)	37.40	37.55	37.65	37.80	37.95
Maximum Power Current-Impp(A)	8.70	8.80	8.90	9.00	9.10
Module Efficiency (%)	16.7	17.0	17.3	17.5	17.8

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

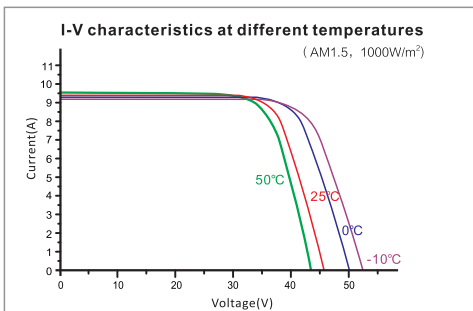
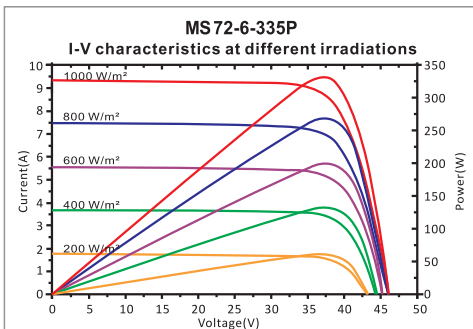
### ELECTRICAL DATA (NMOT)

Model Number	MS72-6-325P	MS72-6-330P	MS72-6-335P	MS72-6-340P	MS72-6-345P
Maximum Power-Pmax (Wp)	242.6	246.4	249.9	253.7	257.5
Open Circuit Voltage-Voc (V)	41.90	42.00	42.20	42.40	42.60
Short Circuit Current-Isc (A)	7.54	7.63	7.71	7.79	7.87
Maximum Power Voltage-Vmpp (V)	34.20	34.40	34.50	34.60	34.70
Maximum Power Current-Impp (A)	7.09	7.17	7.25	7.34	7.42

NMOT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s.

### MECHANICAL DATA

Solar cells	Polycrystalline 156.75×156.75 mm, 5BB
Cell configuration	72 cells (6×12)
Module dimensions	1956×992×40mm
Weight	22kg
Superstrate	3.2 mm, High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy type 6063T5, Silver Color
J-Box	Potted, IP67, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm <sup>2</sup> (12AWG), 1200mm length
Connector	PV-SY02, IP67



### Our Partners:

### TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	45°C±2°C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.055%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	20A
Limiting Reverse Current	20A

### PACKAGING CONFIGURATION

	40ft	20ft
Number of modules per container	648	270
Number of modules per pallet	27	27
Number of pallets per container	24	10
Packaging box dimensions (LxWxH) in mm	1980×1130×1130	1980×1130×1130
Box gross weight[kg]	640	640