# SOLAR PANEL



# MP-MF8614M (HV)-540W

# MONO PERC 9BB HALF-CUT











### Certificates

ISO 9001: 2015 Quality Management System

ISO 14001: 2015 Environmental Management System IEC 61215 / IEC 61730

OHSAS 18001: 2007 Occupational Health & Safety Managemnet System

### Main Features **Linear Performance Warranty**



**Product Warranty** on Materials and Workmanship

1.6°C

It's temperature is 1.6°C lower than

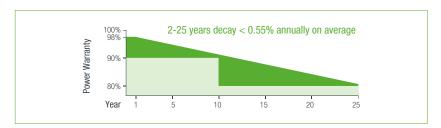
that of the conventional module



Linear Power **Output Warranty** 

4%

4% more energy generation



# **Electrical Parameters @ STC**

Max. Power Output Pmax (W)	540
Power Tolerance	0 ~ 3%
Max. Power Voltage Vmp (V)	41.96
Max. Power Current Imp (A)	12.87
Open Circuit Voltage Voc (V)	50.04
Short Circuit Current Isc (A)	13.76
Module Efficiency (%)	20.89

\*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5 \*Measurement Tolerance (+3.0%)

# Half-Cut technique leads to increased power

When the cells are cut into halves, the current are also halved, which enables less internal loss. Series-parallel wiring improves power performance. The working temperature of module and junction box are lower than that of conventional types, which effectively reduces the hot spot risk and reduces overall module damage.

### Series-parallel wiring mode results in reduced shading loss

Series-parallel wiring will not only reduce power lows from shade but also improves the effective use of supports and space.

## Excellent temperature performance

The temperature of HC module is 1.6°C lower than that of the conventional module under the same working condition, which results less power loss.

# Reduced encapsulation loss due to reduced

HC module is of lower current and lower CTM loss at around 0.2%, while the CTM loss of conventional module is 1%.

1500V high system voltage design





# SOLAR PANEL MP-MF8614M(HV)-540W Master Power Unlimited power

# **Mechanical Parameters**

Cell Type	Mono 182 x 182 mm
Number of Cells	144 pcs (6 x 24)
Dimensions (L*W*H)	2279 x 1134 x 35 mm
Weight	28.5 kg
Band	Anodized Aluminium Alloy
Juvetton Box	IP67 Rated
Calaly Length	4.0 mm <sup>2</sup> , 300 mm

# **Electrical Parameters @ NOCT**

Max. Power Output Pmax (W)	409
Max. Power Voltage Vmp (V)	39.44
Max. Power Current Imp (A)	10.37
Open Circuit Voltage Voc (V)	47.63
Short Circuit Current Isc (A)	10.99

<sup>\*</sup>NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

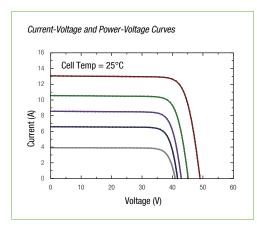
## Package Information

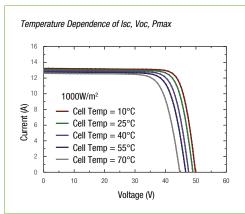
Intainer 40'HQ	20 pallet / 620 pcs (HQ)	
Quantity / Pallet	CTNR: 31 pcs	

# Temperature Coefficients

Temperature Coefficients of Pmp	-0.39% / °C
Temperature Coefficients of Voc	-0.28% / °C
Temperature Coefficients of Isc	+0.05% / °C

# **I-V Curves**





# Assembly Drawing (Unit: mm)

