

# 140~150 Watt

## ZM 140~150M10

182mm 60Cells PV Module

### Electrical Characteristics

Module Type	ZM 140~150M10	
	STC	
Maximum Power- Pmax(W)	140	150
Open Circuit Voltage - Voc(V)	20.42	20.59
Short- Circuit Current - Isc(A)	8.40	8.82
Voltage at Pmax -Vmp(V)	17.58	17.87
Current at Pmax - Imp(A)	7.96	8.39
Module Efficiency - $\eta_m$ (%)	18.67	20.01
Power Tolerance(W)	0, +4.99W	
Maximum System Voltage(V)	700Vdc (IEC / UL)	
Maximum Series Fuse Rating (A)	10A	

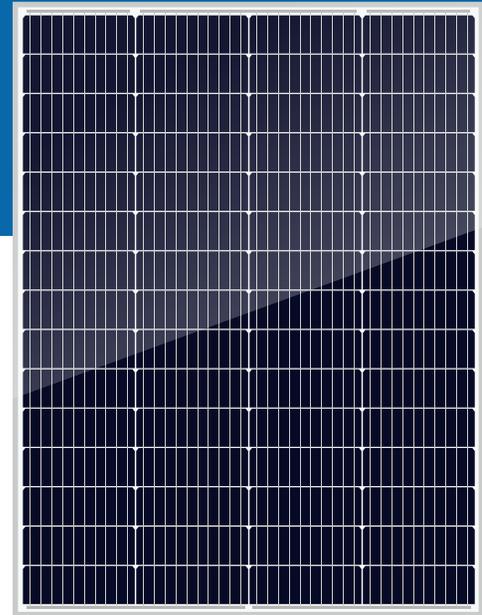
STC : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 C , Air Mass 1.5

### Mechanical Specifications

External Dimensions	980*765*30mm
Weight	7.55kg
Solar Cells	Mono crystalline 182X60.66mm (4X15pcs)
Front Glass	3.2 mm tempered glass
Frame	Aluminum
Junction Box	IP67
Output Cables	90cm, length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

### Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/C
Voc Temperature Coefficient	-0.270%/C
Isc Temperature Coefficient	+0.048%/C
Operating Temperature	-40~+85 C
Nominal Operating Cell Temperature(NOCT)	45±2 C



### Packing Configuration

Module Type	ZM140~150M10
Module Dimensions	980*765*30mm
Pallet Dimensions	1030*1130*885mm
Pallet Weight	280kg
Pieces/Pallet	36pcs

