



Mechanical Characteristics

Number of cells (pcs)	144
Size of cell (mm)	166*83
Type of cell	Mono
Size of module (mm)	2094*1038*40
Weight (kg)	23
Junction box	IP68 (1m, 1h)
Cables/connectors	H1Z2Z2-K 4mm ² 01C1/05-8 /TL-Cable01S/ Staubli MC4

Maximum Ratings

Operating Temperature(°C)	-40~85
Operating Humidity(%)	5~85
Allowable Hail Load	25mm ice-ball with velocity of 23m/s

Packing Configuration

Pieces per pallet	27
Size of packing (mm)	2130*1140*1190
Weight of packing (kg)	679
Pieces per container	594
Size of container	40' HC

Electrical Characteristics

STC	EG-450 M72-HE	EG-455 M72-HE	EG-460 M72-HE		
Pmax (W)	450	455	460		
Vmp (V)	41.56	41.75	41.94		
Imp (A)	10.83	10.90	10.97		
Voc (V)	49.87	50.06	50.25		
Isc (A)	11.30	11.37	11.44		
Module efficiency (%)	20.70	20.93	21.16		
Maximum system voltage (V)				1000	
Fuse Rating Current (A)				20	
Tolerance (%)	Pmax: ±3% Binning: ±5W、Voc: ±5%、Isc: ±5%				
Temperature coefficient	Pmax (%/°C)				-0.390
	Isc (%/°C)				0.039
	Voc (%/°C)				-0.295

STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

NOCT	EG-450 M72-HE	EG-455 M72-HE	EG-460 M72-HE		
Pmax (W)	334	337	340		
Vmp (V)	38.57	38.7	38.82		
Imp (A)	8.66	8.71	8.76		
Voc (V)	46.89	47.02	47.15		
Isc (A)	9.16	9.22	9.28		
Power tolerance	Pmax: ±3% Binning: ±5W				

NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

I-V Curves

