



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 EVO2

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-440 M72-HEV	EG-445 M72-HEV	EG-450 M72-HEV	EG-455 M72-HEV	EG-460 M72-HEV
Pmax (W)	440	445	450	455	460
Vmp (V)	41.16	41.36	41.56	41.75	41.94
Imp (A)	10.69	10.76	10.83	10.90	10.97
Voc (V)	49.47	49.67	49.87	50.06	50.25
Isc (A)	11.16	11.23	11.30	11.37	11.44
Module efficiency (%)	20.24	20.47	20.70	20.93	21.16
Maximum system voltage (V)	1500				
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-440 M72-HEV	EG-445 M72-HEV	EG-450 M72-HEV	EG-455 M72-HEV	EG-460 M72-HEV
Pmax (W)	327	330	334	337	340
Vmp (V)	38.21	38.38	38.57	38.7	38.82
Imp (A)	8.56	8.60	8.66	8.71	8.76
Voc (V)	46.49	46.70	46.89	47.02	47.15
Isc (A)	9.05	9.10	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

