



### 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 <sup>2</sup> ,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-425 M72-HE	EG-430 M72-HE	EG-435 M72-HE	EG-440 M72-HE	EG-445 M72-HE
Pmax (W)	425	430	435	440	445
Vmp (V)	40.56	40.76	40.97	41.16	41.36
Imp (A)	10.48	10.55	10.62	10.69	10.76
Voc (V)	48.86	49.07	49.27	49.47	49.67
Isc (A)	10.95	11.02	11.09	11.16	11.23
Module efficiency (%)	19.55	19.78	20.01	20.24	20.47
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/m<sup>2</sup>, module temperature 25°C, AM=1.5

NOCT	EG-425 M72-HE	EG-430 M72-HE	EG-435 M72-HE	EG-440 M72-HE	EG-445 M72-HE
Pmax (W)	315	320	323	327	330
Vmp (V)	37.50	37.83	38.00	38.21	38.38
Imp (A)	8.40	8.46	8.50	8.56	8.60
Voc (V)	45.80	46.12	46.35	46.49	46.70
Isc (A)	8.89	8.94	8.99	9.05	9.10
Power tolerance	Pmax: ±3% Binning: ±5W				

NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

### I-V Curves

