



### Electrical Characteristics

STC	EG-470 M78-HE	EG-475 M78-HE	EG-480 M78-HE	EG-485 M78-HE	EG-490 M78-HE
Pmax (W)	470	475	480	485	490
Vmp (V)	44.39	44.56	44.78	44.95	45.12
Imp (A)	10.59	10.66	10.72	10.79	10.86
Voc (V)	53.37	53.55	53.77	53.94	54.17
Isc (A)	11.06	11.13	11.19	11.26	11.32
Module efficiency (%)	19.99	20.21	20.42	20.63	20.85
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-470 M78-HE	EG-475 M78-HE	EG-480 M78-HE	EG-485 M78-HE	EG-490 M78-HE
Pmax (W)	356	359	363	367	371
Vmp (V)	41.11	41.17	41.4	41.57	41.74
Imp (A)	8.66	8.72	8.77	8.83	8.89
Voc (V)	49.63	49.8	50	50.17	50.37
Isc (A)	9.05	9.11	9.16	9.21	9.26
Power tolerance	Pmax: ±3% Binning: ±5W				

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

### Mechanical Characteristics

Number of cells (pcs)	156
Size of cell (mm)	166*83
Type of cell	Mono
Size of module (mm)	2264*1038*40
Weight (kg)	24.8
Junction box	IP68 (1m, 1h)
Fire Rating	Class C
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)	2300*1130*1190
Weight of packing (kg)	720
Pieces per container	540
Size of container	40' HC

### I-V Curves

