

## Mechanical Characteristics

Number of cells (pcs)	144
Size of cell (mm)	158.75*79.375
Type of cell	Mono
Thickness of glass (mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP67
Size of module (mm)	2008*1002*40
Weight (kg)	23
Cables/connectors	4mm <sup>2</sup> , MC4 compatible

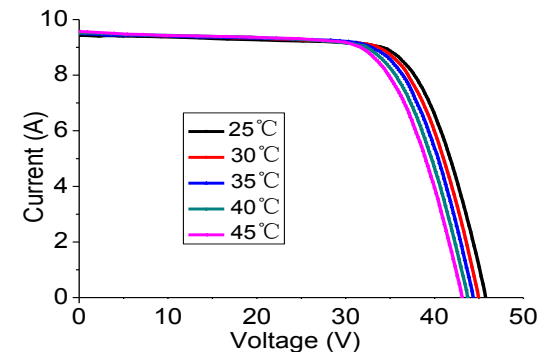
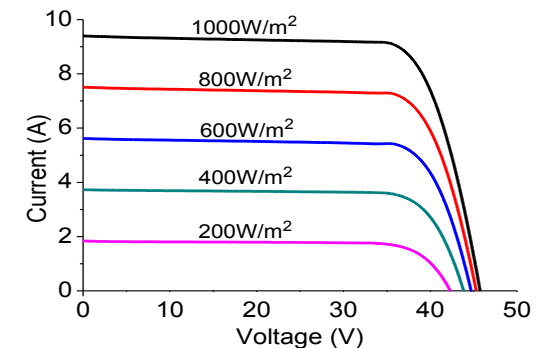
## Maximum Ratings

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	26
Size of packing (mm)	2042*1120*1150
Weight of packing (kg)	648
Pieces per container	572
Size of container	40' HC

## I-V Curves



## Electrical Characteristics

STC	EG-380 M72-HD	EG-385 M72-HD	EG-390 M72-HD	EG-395 M72-HD	EG-400 M72-HD
Pmax (W)	380	385	390	395	400
Vmp (V)	39.34	39.61	39.72	39.90	40.09
Imp (A)	9.66	9.72	9.82	9.90	9.98
Voc (V)	48.49	48.68	48.87	49.06	49.24
Isc (A)	10.10	10.18	10.26	10.34	10.42
Module efficiency (%)	18.88	19.13	19.38	19.63	19.88
Maximum system voltage (V)	1000				
Fuse Rating Current (A)	15				
Power tolerance (%)	0~+3				
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-380 M72-HD	EG-385 M72-HD	EG-390 M72-HD	EG-395 M72-HD	EG-400 M72-HD
Pmax (W)	281	285	289	292	296
Vmp (V)	36.12	36.36	36.54	36.64	36.82
Imp (A)	7.78	7.84	7.91	7.97	8.04
Voc (V)	44.53	44.69	44.96	45.05	45.23
Isc (A)	8.14	8.20	8.27	8.34	8.4
Power tolerance (%)	±3%				

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