



Mechanical Characteristics

Number of cells (pcs)	108
Size of cell (mm)	182*91
Type of cell	Mono
Size of module (mm)	1724*1134*40
Weight (kg)	20.7
Junction box	IP68
Fire class	Class C
Warranty period	15 years
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)	1760*1140*1275
Weight of packing (kg)	604
Pieces per container	702
Size of container	40' HC

Electrical Characteristics

STC	EG-385 M54-HLV	EG-390 M54-HLV	EG-395 M54-HLV	EG-400 M54-HLV	EG-405 M54-HLV
Pmax (W)	385	390	395	400	405
Vmp (V)	30.54	30.79	31.03	31.28	31.52
Imp (A)	12.61	12.67	12.73	12.79	12.85
Voc (V)	36.44	36.69	36.93	37.18	37.42
Isc (A)	13.36	13.42	13.48	13.54	13.60
Module efficiency (%)	19.69	19.94	20.20	20.46	20.71
Maximum system voltage (V)	1500				
Fuse Rating Current (A)	30				
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-385 M54-HLV	EG-390 M54-HLV	EG-395 M54-HLV	EG-400 M54-HLV	EG-405 M54-HLV
Pmax (W)	291	295	299	303	307
Vmp (V)	28.20	28.45	28.70	28.94	29.19
Imp (A)	10.32	10.37	10.42	10.47	10.52
Voc (V)	33.89	34.13	34.35	34.58	34.81
Isc (A)	10.93	10.98	11.03	11.08	11.13
Power tolerance	Pmax: ±3% Binning; ±5W				

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

I-V Curves

