



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

Electrical Characteristics

STC	EG-410 M54-HL	EG-415 M54-HL	EG-420 M54-HL	EG-425 M54-HL
Pmax (W)	410	415	420	425
Vmp (V)	31.76	32.00	32.24	32.47
Imp (A)	12.91	12.97	13.03	13.09
Voc (V)	37.66	37.90	38.14	38.37
Isc (A)	13.66	13.72	13.78	13.84
Module efficiency (%)	20.97	21.22	21.48	21.73
Maximum system voltage (V)	1000			
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-410 M54-HL	EG-415 M54-HL	EG-420 M54-HL	EG-425 M54-HL
Pmax (W)	310	314	318	322
Vmp (V)	29.36	29.60	29.84	30.07
Imp (A)	10.56	10.61	10.66	10.71
Voc (V)	35.03	35.25	35.48	35.69
Isc (A)	11.18	11.23	11.28	11.33
Power tolerance	Pmax: ±3% Binning; ±5W			

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

I-V Curves

