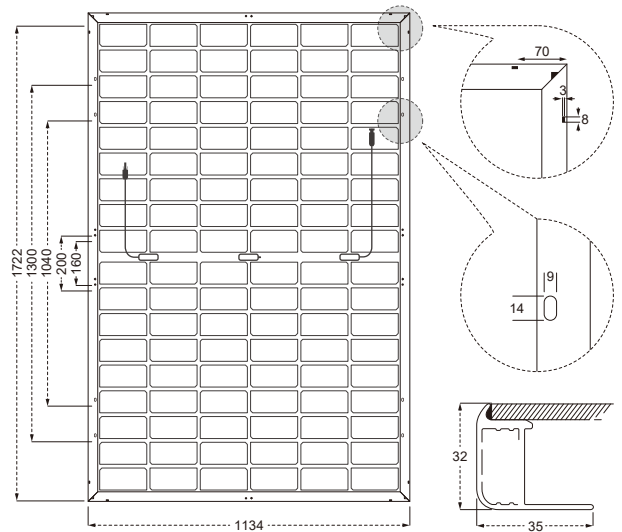




Mechanical Specification

Cable	4.0mm ² , 300/400mm in length,
(Including connector)	length can be customized
No.of Cells	108 (6×18)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	22kg
Cells Type	Mono 182×91mm
Dimension (L×W×T)	1722×1134×32mm
Packing	34pcs/pallet, 884pcs/40HQ

Design



Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	30A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

Electrical Characteristics

DHM-54X10/BF/FS(BB)

Module Type	STC		Noct		STC		Noct		STC		Noct	
	Maximum Power (Pmax)	400W	298W	405W	301W	410W	305W	410W	305W	410W	305W	410W
Open-circuit Voltage (Voc)	36.8V	34.52V	37.0V	34.71V	37.2V	34.89V	37.2V	34.89V	37.2V	34.89V	37.2V	34.89V
Maximum Power Voltage (Vmp)	31.3V	29.36V	31.5V	29.55V	31.7V	29.73V	31.7V	29.73V	31.7V	29.73V	31.7V	29.73V
Short-circuit Current (Isc)	13.48A	10.89A	13.54A	10.94A	13.60A	10.99A	13.60A	10.99A	13.60A	10.99A	13.60A	10.99A
Maximum Power Current (Imp)	12.77A	10.14A	12.86A	10.20A	12.93A	10.26A	12.93A	10.26A	12.93A	10.26A	12.93A	10.26A
Module Efficiency (STC)	20.48%		20.74%		21.00%		21.00%		21.00%		21.00%	

STC: Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

NOCT: Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

Refer Bifacial Factor: 70±5%

Temperature Coefficient of Voc: -0.31%/°C

Temperature Coefficient of Isc: 0.05%/°C

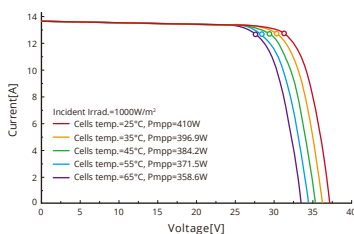
Temperature Coefficient of Pmax: -0.35%/°C

Double-sided power generation parameters (Rear gain)

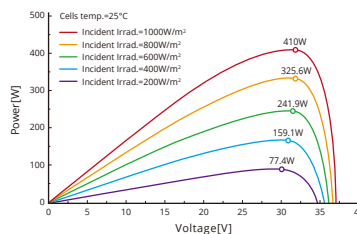
5%	Maximum Power (Pmax)	420W	425W	431W
	Module Efficiency (%)	21.51%	21.78%	22.05%
15%	Maximum Power (Pmax)	460W	466W	472W
	Module Efficiency (%)	23.56%	23.85%	24.15%
25%	Maximum Power (Pmax)	500W	506W	513W
	Module Efficiency (%)	25.60%	25.93%	26.25%

I-V Curve DHM-54X10/BF/FS(BB)-410W

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve

