

朱雀 M10

MYMH-54HDB SUZAKU

Power output 425-450W

High Efficiency HJT Double-glass Module-54P

APPLICATION SCENARIO - HOUSEHOLD ROOF

OBB Technology



Busbar-free Technology

Reduced the shading area
Increased maximum power
Lower cost, Higher quality



Excellent Low Irradiance Performance

Better low irradiance performance under low light conditions



High Efficiency

Ultra-thin Cell & Bifacial Microcrystalline technology,
Excellent optical utilization and current collection



Lower Temperature Coefficient

-0.24%/°C
Stable yield in extremely hot climate



High Bifacial Rate

Up to 90%
Provide extra benefit



Low Power Degradation

Linear product warranty
Excellent anti-PID performance guarantee



QUALITY WARRANTY

1.0%

First Year
Power Degradation

0.3%

Annual
Degradation

15 years

Product
Warranty

30 years

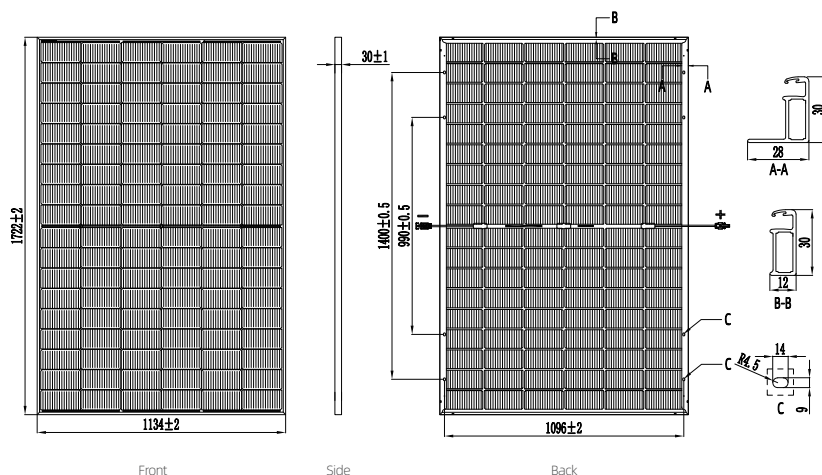
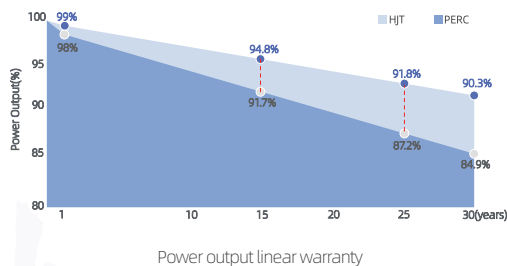
Linear
Product Warranty

Electrical Characteristics(STC) -High Efficiency N-type Double-Glass Solar Module

MODEL TYPE	MYMH-54HDB-425		MYMH-54HDB-430		MYMH-54HDB-435		MYMH-54HDB-440		MYMH-54HDB-445		MYMH-54HDB-450	
Measurement Conditions	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (W)	425	325.0	430	328.5	435	332.0	440	335.0	445	339.4	450	343.3
Voltage at Pmax-Vmp(V)	34.12	32.12	34.24	32.29	34.36	32.45	34.48	32.61	34.60	32.74	34.72	32.91
Current at Pmax-Imp(A)	12.46	10.12	12.56	10.17	12.67	10.23	12.77	10.29	12.87	10.37	12.97	10.43
Open-Circuit Voltage-Voc(V)	40.29	38.40	40.44	38.54	40.59	38.67	40.74	38.81	40.89	38.95	41.04	39.09
Short-Circuit Current-Isc(A)	13.23	10.67	13.30	10.73	13.37	10.78	13.44	10.84	13.51	10.90	13.58	10.95
Module Efficiency (%)	21.8		22.0		22.3		22.5		22.8		23.0	
Power Tolerance(W)	0~+5W											

STC :Irradiance=1000 W/m², Cell Temperature=25°C, AM=1.5 NMOT:Irradiance 800W/m², Ambient Temperature=20°C, AM=1.5, Wind Speed=1m/s

ENGINEERING DRAWINGS (mm)



MECHANICAL CHARACTERISTICS

Solar Cells	N type Mono-crystalline
Cell Configuration	108(6*18)
Module Dimensions	1722mm*1134mm*30mm
Weight	24kg
Glass	2.0mm/2.0mm(Semi-Tempered Glass)
Frame	Aluminium Alloy
Junctiot Box	IP68, Three diodes
Output Cables	TUV/4mm ² -200mm/+300mm(Or Customized Length)
Connector	MC4 Compatible
Protection Class	Class II
Fire Rating	Class C

TEMPERATURE&MAXIMUM RATINGS

Nominal Module Operating Temperature(NMOT)	43±2°C
Temperature Coefficient of Pmax	-0.24%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	0.053%/°C
Maximum System	DC 1500V
Maximum Series Fuse Rating	25A
Operating Temperature	-40°C ~ +85°C
Mechanical Load(Front Side)	5400Pa
Mechanical Load(Back Side)	2400Pa
Bifacial Rate	85±5%

PACKAGING CONFIGURATION

Container	Pieces Per Container	Pallets Per Container	Pieces Per Pallet	Packaging Box Weight (kg)	Packaging Box Dimensions (mm)
20GP	216	6	36	910	1752*1120*1249
40HC	936	26	36	910	1752*1120*1249

Statement: Due to continuous technological innovation, product development and improvement, the characteristics above may be deviated, and the company has the right to adjust the characteristics at any time without notice; customer shall request the latest datasheets. when concluding the contract and make it an integral part of the binding contract concluded by the parties.

