



好时新能源
HERSHEY-POWER NEW ENERGY

HSM10-54HBB

385-410W

- Suitable for distributed projects
- Advanced module technology delivers superior module efficiency
M10 Gallium-doped wafer 10busbar half-cut cells
- Excellent outdoor power generation performance
- Aesthetic appearance with all black module design

12

12-year Warranty for
Materials and Processing

25

25-year Warranty for Extra
Linear Power Output

Complete System and Product Certifications

IEC 61215, IEC 61730,

ISO 9001:2008: ISO Quality Management System

ISO 14001: 2004: ISO Environment Management System

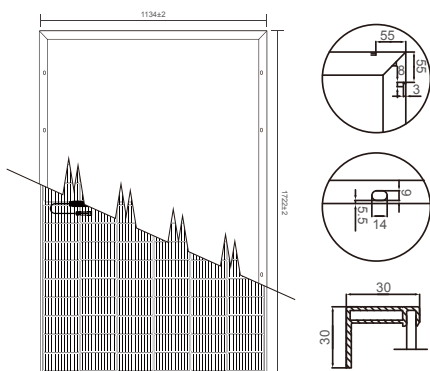
TS62941: Guideline for module design qualification and type approval

OHSAS 18001: 2007 Occupational Health and Safety





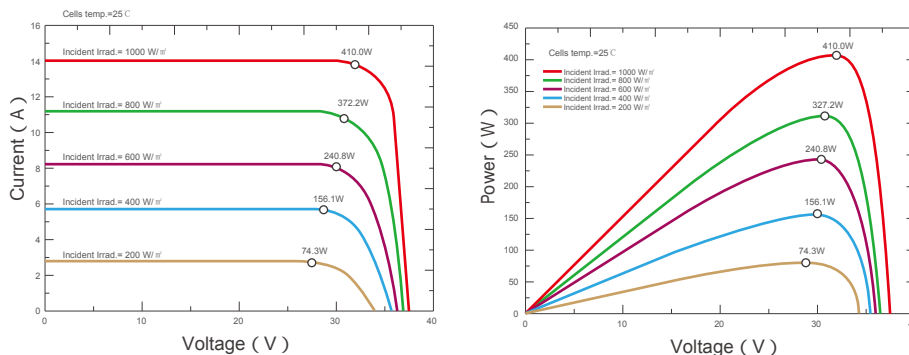
Dimension Drawing



All Dimensions in mm
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact HERSHEY POWER

I-V Graph

Current-Voltage & Power-Voltage Curves (SKT410M10)



Electrical Characteristics (STC/NOCT)

Module Type	HSM10-54HBB-385W		HSM10-54HBB-390W		HSM10-54HBB-395W		HSM10-54HBB-400W		HSM10-54HBB-405W		HSM10-54HBB-410W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	385	290	390	294	395	298	400	302	405	306	410	310
Open Circuit Voltage - Voc(V)	36.76	34.49	36.85	34.62	36.98	34.75	37.07	34.88	37.23	35.12	37.32	35.23
Short- Circuit Current - Isc(A)	13.53	10.82	13.61	10.89	13.70	10.96	13.79	11.03	13.87	11.10	13.95	11.16
Voltage at Pmax - Vmp(V)	30.44	28.66	30.64	28.87	30.84	29.08	31.01	29.26	31.21	29.47	31.45	29.72
Current at Pmax - Imp(A)	12.65	10.11	12.73	10.18	12.81	10.25	12.90	10.32	12.98	10.38	13.04	10.43
Module Efficiency -ηm(%)	19.8	/	20.0	/	20.2	/	20.5	/	21.8	/	21.0	/
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	25A											

STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

NOCT : Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1722x1134x30mm
Weight	20.5kg
Solar Cells	Mono crystalline 182mm (2x54pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 30cm (+), 30cm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Packing Configuration

	1722x1134x30mm	
Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	26
Pieces per Container	216	936

Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/°C
Voc Temperature Coefficient	-0.275%/°C
Isc Temperature Coefficient	+0.045%/°C
Operating Temperature	-40 ~ +85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C