



好时新能源
HERSHEY-POWER NEW ENERGY

HSM10-72MBB 530~550M

- Based on M10-182mm wafer, best choice for ultra-large power plants
- Advanced module technology delivers superior module efficiency
 - M10 Gallium-doped Wafer • Smart Soldering • 9-busbar Half-cut Cell
- Excellent outdoor power generation performance
- High module quality ensures long-term reliability



12-year Warranty for
Materials and Processing



25-year Warranty for Extra
Linear Power Output

Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO 9001:2015: ISO Quality Management System

ISO 14001: 2015: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

ISO 45001: 2018: Occupational Health and Safety



HSM10-72MBB 530~550M

21.5%
MAX MODULE
EFFICIENCY

0~+5W
POWER
TOLERANCE

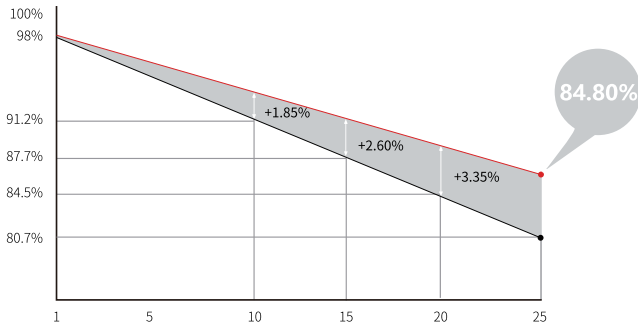
<2%
FIRST YEAR
POWER DEGRADATION

0.55%
YEAR 2-25
POWER DEGRADATION

HALF-CELL
Lower operating temperature

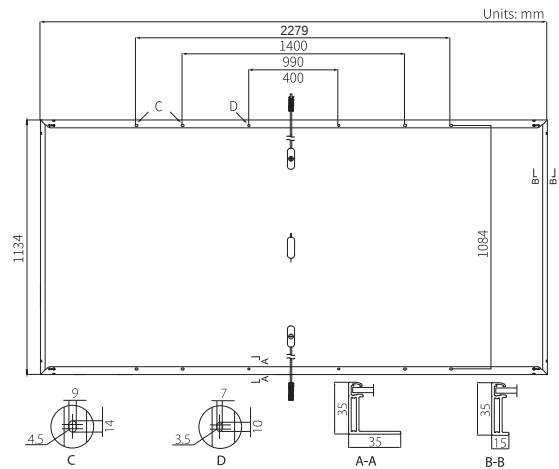
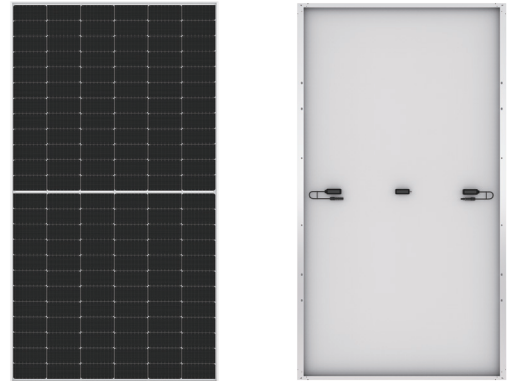
Additional Value

25-Year Power Warranty



Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm ² , +400, -200mm/±1400mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	27.2kg
Dimension	2279 X1134X35mm
Packaging	31pcs per pallet / 155pcs per 20' GP / 620pcs per 40' HC



Electrical Characteristics

STC : AM1.5 1000W/m² 25°C

NOCT : AM1.5 800W/m² 20°C 1m/s

Test uncertainty for Pmax: ±3%

Module Type	HSM10-72MBB -530M		HSM10-72MBB -535M		HSM10-72MBB -540M		HSM10-72MBB -545M		HSM10-72MBB -550M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	530	395.8	535	399.5	540	403.3	545	407.0	550	410.7
Open Circuit Voltage (Voc/V)	49.20	46.12	49.35	46.26	49.50	46.41	49.65	46.55	49.80	46.69
Short Circuit Current (Isc/A)	13.71	11.09	13.78	11.15	13.85	11.20	13.92	11.25	13.98	11.31
Voltage at Maximum Power (Vmp/V)	41.35	38.50	41.50	38.64	41.65	38.78	41.80	38.92	41.95	39.06
Current at Maximum Power (Imp/A)	12.82	10.28	12.90	10.34	12.97	10.40	13.04	10.46	13.12	10.52
Module Efficiency(%)	20.7		20.9		21.1		21.3		21.5	

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ +5 W
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.350%/°C



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Specifications included in this datasheet are subject to change without notice. Hershey reserves the right of final interpretation. (20210508V13)