



好时新能源

HERSHEY-POWER NEW ENERGY

HERSHEY POWER MBB Mono Half-cut 182 Cell PV Module

HS144-M530-550-182HC



INNOVATIONAL HALF-CELL TECHNOLOGY

Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production.



OPTIMIZED BUSBAR NUMBER

New circuit design
Lower internal current, lower internal loss



INNOVATIVE PERC CELL TECHNOLOGY

Excellent cell efficiency and output.



REDUCE SHADOW LOSS

Effectively reduces the effect of shadow on the module surface.



REDUCE INTERNAL MISMATCH LOSS

Reduces mismatch loss and improves output.



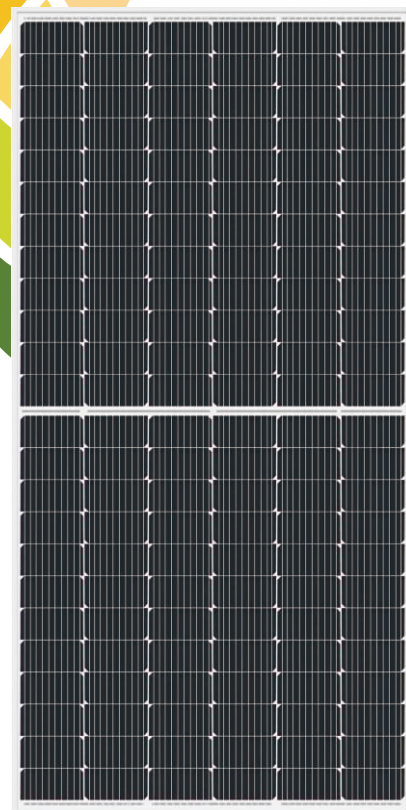
PASSED HAIL TEST

Certified to hail resistance: ice ball size($d=45\text{mm}$) and ice ball velocity($v=30.7\text{m/s}$).

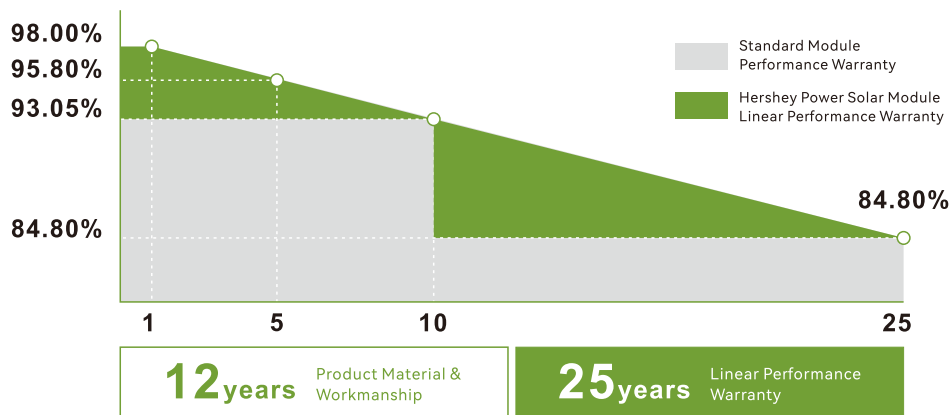


PID RESISTANCE

Excellent PID resistance at 96 hours($@85^\circ\text{C}/85\%$) test, and also can be improved to meet higher standards for the particularly harsh environment.



LINEAR PERFORMANCE WARRANTY



ISO9001
ISO14001
OHSAS18001



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ELECTRICAL DATA @ STC

Peak Power(P _{max}) (W)	530	535	540	545	550
Maximum Power Voltage(V _{mp}) (V)	41.57	41.80	42.03	38.25	38.53
Maximum Power Current(I _{mp}) (A)	12.75	12.80	12.85	13.04	13.11
Open-circuit Voltage(V _{oc}) (V)	49.63	49.76	49.89	45.59	45.72
Short-circuit Current(I _{sc}) (A)	13.50	13.55	13.60	13.93	14.00
Module Efficiency (%)	20.53	20.73	20.92	20.55	20.78
Operating Temperature	-40°C~+85°C				
Maximum System Voltage	□1000V □1500V				
Maximum Series Fuse Rating	25A				
Power Tolerance	0~+3%				

*STC(Standard Test Condition):Irradiance 1000W/m² ,Module Temperature 25°C, AM1.5

ELECTRICAL DATA @ NMOT

Peak Power(P _{max}) (W)	401	405	409	413	417
MPP Voltage(V _{mp}) (V)	38.45	38.65	38.88	39.04	39.27
MPP Current(I _{mp}) (A)	10.43	10.48	10.52	10.57	10.62
Open Circuit Voltage(V _{oc}) (V)	46.16	46.28	46.40	46.52	46.64
Short Circuit Current(I _{sc}) (A)	11.05	11.09	11.13	11.17	11.21

*Under Nominal Module Operating Temperature (NMOT),Irradiance of 800W/m² ,Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

TEMPERATURE CHARACTERISTICS

Temperature coefficient of P _{max}	-0.35%/k
Temperature coefficient of V _{oc}	-0.25%/k
Temperature coefficient of I _{sc}	0.04%/k
NMOT	43±2°C

MECHANICAL DATA

Cell Type	Mono-Crystalline,182*91mm
Cell Arrangement	144pcs(2(6x12))
Dimension(LxWxH)	2279x1134x35mm
Weight	27.3kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68,3 Bypass Diodes
Cable Type	4mm ²
Length of Cable	500mm
Connector	Compatible With MC4 PV Connector

OPTIONAL

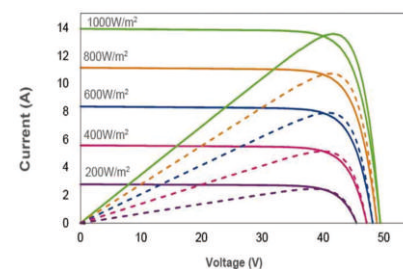
Frame	□ Black
Backsheet	□ Black
Connector	□ Original MC4
Cable	□ Customized
Module Size	□ Customized

PACKING MANNER

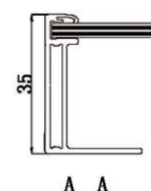
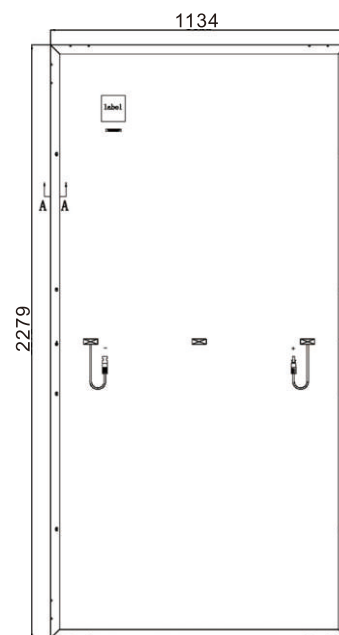
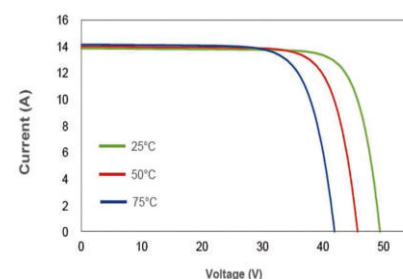
Packing Type	40'HQ
Piece/pallet	31
Piece/container	620

website:www.hershey-power.com
Add: No.69, Huiling West Road, Zouqu Industrial Park, China
sales@hershey-power.com

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures



Hershey Power New Energy Co.,Ltd
GS Energy and Tech Co.,Ltd