



HERSHEY POWER MBB Mono Half-cut 182 Cell PV Module

HS132-M485-505-182HC



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.



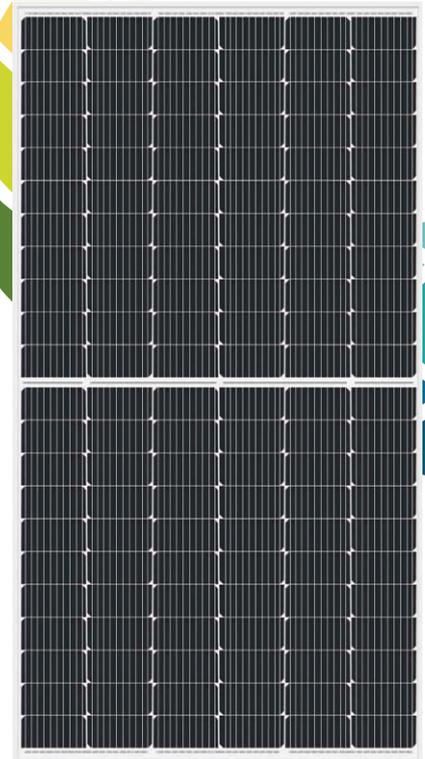
PASSED HAIL TEST

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



PID RESISTANCE

Excellent PID resistance at 96 hours(@85°C/85%) test, and also can be improved to meet higher standards for the particularly harsh environment.



LINEAR PERFORMANCE WARRANTY



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ELECTRICAL DATA @ STC

Peak Power(Pmax)	(W)	485	490	495	500	505
Maximum Power Voltage(Vmp)	(V)	37.81	37.99	38.17	38.25	38.53
Maximum Power Current(Imp)	(A)	12.83	12.90	12.97	13.04	13.11
Open-circuit Voltage(Voc)	(V)	45.20	45.33	45.46	45.59	45.72
Short-circuit Current(Isc)	(A)	13.72	13.79	13.86	13.93	14.00
Module Efficiency	(%)	19.86	20.09	20.32	20.55	20.78
Operating Temperature		-40°C~+85°C				
Maximum System Voltage		<input type="checkbox"/> 1000V <input type="checkbox"/> 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(Pmax)	(W)	367	370	374	378	382
MPP Voltage(Vmp)	(V)	35.67	35.76	35.84	35.93	36.02
MPP Current(Imp)	(A)	10.28	10.36	10.44	10.52	10.60
Open Circuit Voltage(Voc)	(V)	42.30	42.43	42.58	42.72	42.86
Short Circuit Current(Isc)	(A)	11.06	11.13	11.20	11.27	11.34

*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 Pmax	-0.35%/k
Temperature coefficient of Voc	-0.25%/k
Temperature coefficient of Isc	0.04%/k
NMOT	43±2°C

MECHANICAL DATA

Cell Type	Mono-Crystalline,182*91mm
Cell Arrangement	132pcs(2(6x11))
Dimension(LxWxH)	2094x1134x35mm
Weight	25.7kg
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

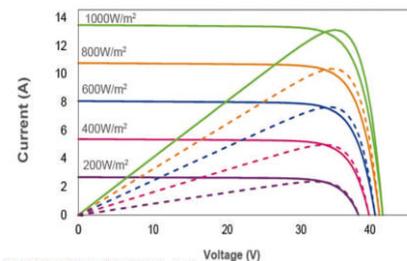
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Connector	<input type="checkbox"/> Original MC4
Cable	<input type="checkbox"/> Customized
Module Size	<input type="checkbox"/> Customized

PACKING MANNER

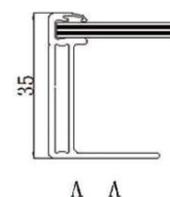
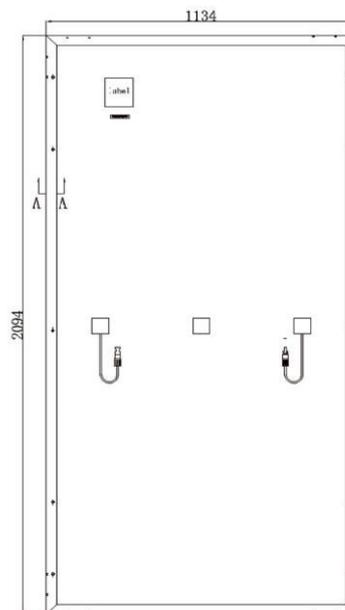
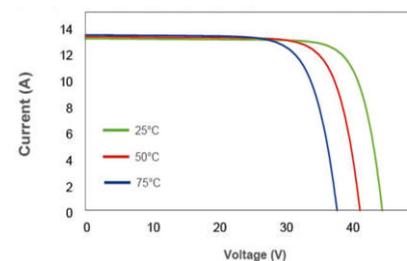
Packing Type	40'HQ
Piece/pallet	31
Piece/container	682

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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