

# HERSHEY POWER MBB Mono Half-cut 182 Cell PV Module

## HS108-M400-410-182HC(black)



### 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.



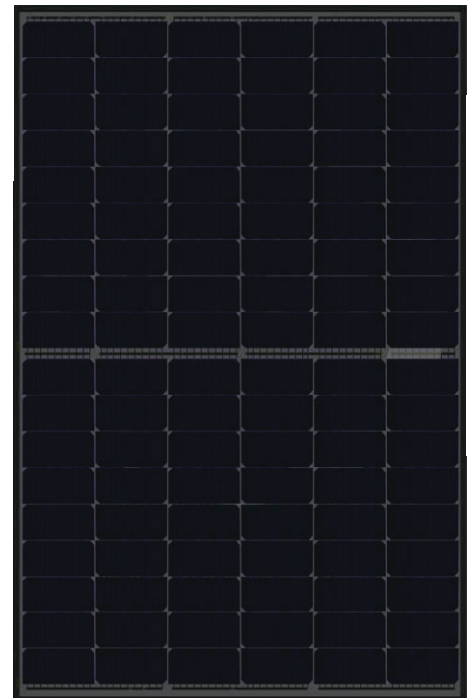
### PASSED HAIL TEST

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

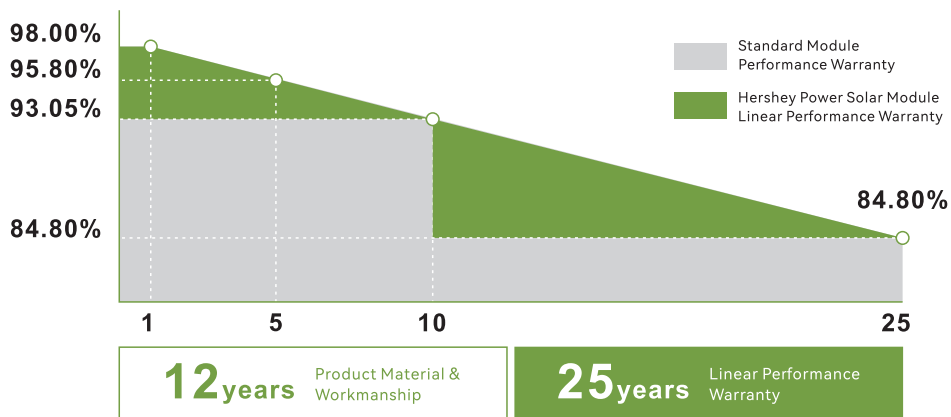


### PID RESISTANCE

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



ISO9001  
ISO14001  
OHSAS18001



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## ELECTRICAL DATA @ STC

Peak Power(Pmax)	(W)	400	405	410
Maximum Power Voltage(Vmp)	(V)	31.28	31.52	31.76
Maximum Power Current(Imp)	(A)	12.79	12.85	12.91
Open-circuit Voltage(Voc)	(V)	37.18	37.42	37.67
Short-circuit Current(Isc)	(A)	13.54	13.60	13.66
Module Efficiency	(%)	20.46	20.71	21.00
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/m<sup>2</sup> ,Module Temperature 25°C, AM1.5

## ELECTRICAL DATA @ NMOT

Peak Power(Pmax)	(W)	303	307	311
MPP Voltage(Vmp)	(V)	28.94	29.19	29.43
MPP Current(Imp)	(A)	10.47	10.52	10.57
Open Circuit Voltage(Voc)	(V)	34.58	34.81	35.04
Short Circuit Current(Isc)	(A)	11.08	11.13	11.18

\*Under Nominal Module Operating Temperature (NMOT),Irradiance of 800W/m<sup>2</sup> ,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		108pcs(2(6x10))
Dimension(LxWxH)		1724x1134x35mm
Weight		20.4kg
Front Cover		3.2mm Tempered Glass
Frame		Anodized Aluminium Alloy
Junction Box		IP68,3 Bypass Diodes
Cable Type		4mm <sup>2</sup>
Length of Cable		500mm
Connector		Compatible With MC4 PV Connector

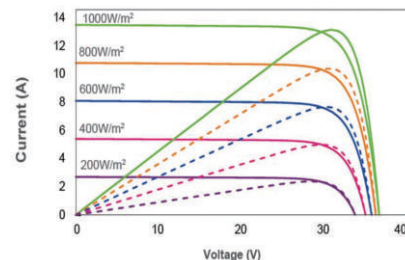
## OPTIONAL

Frame		/
Backsheet		/
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		806

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures

