



HERSHEY POWER MBB Mono Half-cut 210 Cell PV Module

HS120-M585-605-210HC



INNOVATIONAL HALF-CUT CELL TECHNOLOGY

Large area cells based on 210mm silicon wafers and 1/2-cut cell technology



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.



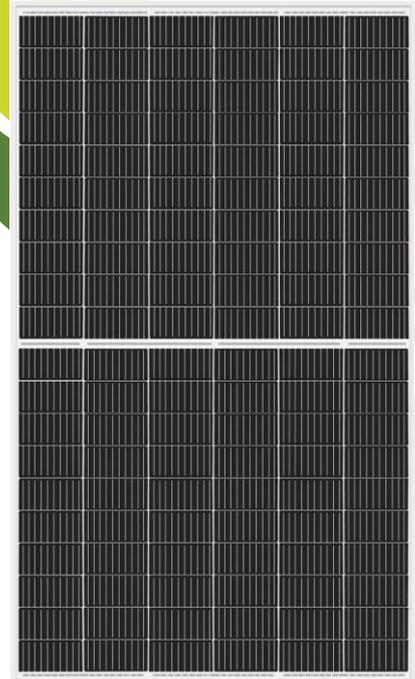
PASSED HAIL TEST

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)	585	590	595	600	605
Maximum Power Voltage(Vmp)	(V)	33.95	34.14	34.35	34.54	34.75
Maximum Power Current(Imp)	(A)	17.23	17.28	17.32	17.37	17.41
Open-circuit Voltage(Voc)	(V)	41.24	41.44	41.64	41.84	42.04
Short-circuit Current(Isc)	(A)	18.60	18.65	18.70	18.75	18.80
Module Efficiency	(%)	20.44	20.62	20.80	20.97	21.14
Operating Temperature		-40°C~+85°C				
Maximum System Voltage		□1500V				
Maximum Series Fuse Rating		30A				
Power Tolerance		0~+3%				

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

ELECTRICAL DATA @ NMOT

Peak Power(Pmax)	(W)	450	453	457	461	465
MPP Voltage(Vmp)	(V)	30.95	31.12	31.31	31.49	31.67
MPP Current(Imp)	(A)	14.52	14.56	14.60	14.64	14.67
Open Circuit Voltage(Voc)	(V)	38.08	38.26	38.45	38.63	38.81
Short Circuit Current(Isc)	(A)	15.81	15.86	15.90	15.94	15.98

*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		-0.34%/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,210*105mm
Cell Arrangement		120pcs(2(6x10))
Dimension(LxWxH)		2172x1303x35mm
Weight		31kg
Front Cover		3.2mm Tempered Glass
Frame		Anodized Aluminium Alloy
Junction Box		IP68,3 Bypass Diodes
Cable Type		4mm ²
Length of Cable		1200mm
Connector		Compatible With MC4 PV Connector

OPTIONAL

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

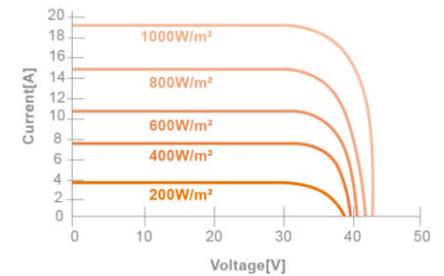
PACKING MANNER

Packing Type		40'HQ
Piece/pallet		31
Piece/container		558

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

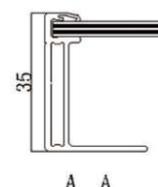
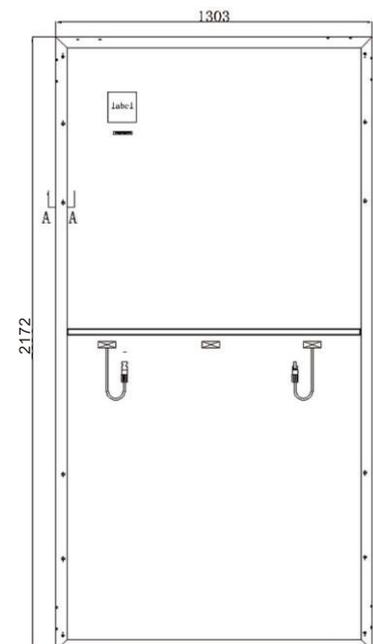
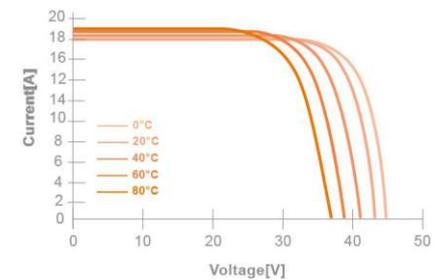
Current-Voltage Curve under different irradiance

Cell Temperature:25°C



Current-Voltage Curve under different working temperatures

AM1.5 1000W/m²



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