

celesta[®]

Half-Cell SERIES

CL520M-HC ~ CL545M-HC

Half-Cell Monocrystalline Silicon PV Modules



HIGH OUTPUT POWER

Output power is higher than the same type of conventional monocrystalline modules



ANTI-PID CHARACTERISTICS

Ensure large-scale production of half-cell monocrystalline modules pass PID test



HOT-SPOT EFFECT

Excellent hot-spot immunity, can effectively avoid the power loss caused by shadow coverage, significantly extend life span

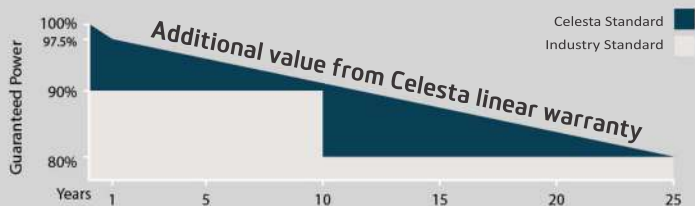


LOAD CAPACITY

Certified to withstand wind load(2400 Pascal)and snow load(5400 Pascal)

LINEAR PERFORMANCE WARRANTY

12-year product warranty / 25-year linear power warranty



Mechanical Data

Dimension	2279*1134*35mm
Mounting hole size	1200*1084, 1600*1084mm
Cable Length	250mm
Weight	28.3Kg

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Electrical Data (STC)

Model	CL520M-HC	CL525M-HC	CL530M-HC	CL535M-HC	CL540M-HC	CL545M-HC
Maximum power-Pmax(Wp)	520	525	530	535	540	545
Maximum operating voltage-Vmp(V)	41.27	41.51	41.67	41.97	42.13	42.42
Maximum operating current-Imp(A)	12.60	12.65	12.72	12.75	12.82	12.85
Open-circuit voltage-Voc(V)	49.40	49.52	49.64	49.77	49.91	50.02
Short-circuit current-Isc(A)	13.39	13.43	13.48	13.52	13.58	13.62
Maximum system voltage-Vdc(V)	1500	1500	1500	1500	1500	1500
Module efficiency(%)	20.12%	20.31%	20.51%	20.70%	20.89%	21.09%
Power tolerance(W)	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W

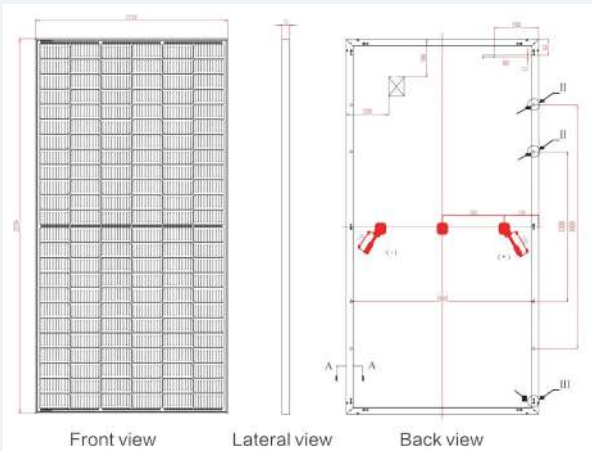
Temperature Coefficients

Temperature Coefficient (Pm)	-0.350%/°C
Temperature Coefficient (Voc)	-0.270%/°C
Temperature Coefficient (Isc)	0.048%/°C

Operating Parameters

Maximum System Voltage	1000/1500V
Operating Temperature	-40°C ~+85°C
NMOT (Nominal Moudule Operating Temperature)	41±3°C

Module Dimensions (mm)



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