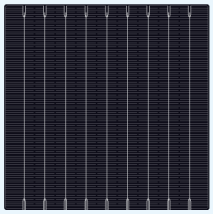
LUCKSOLAR

Cleaner Solar, Smarter Life.

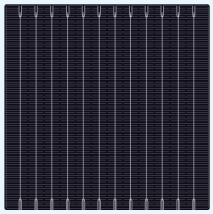
320-345 Watt

LS-MD120

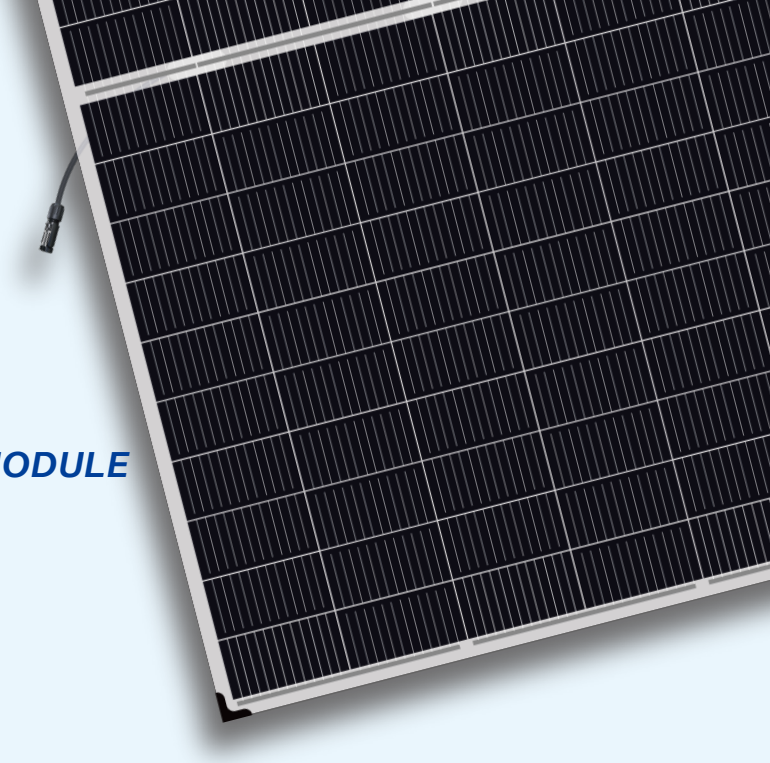
Half-Cell MBB Dual-glass MONO PERC MODULE



9BB



12BB



KEY FEATURES

Multi Busbar Solar Cell

Stronger current collection ability, Special circuit design with much lower hot spot temperature;

Module efficiency up to 20.28%

Half cell structure brings low resistance characteristic, higher lifetime generating capacity, simultaneously lower annual power attenuation;

PID Resistant

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

Low-Light Performance

Excellent power generation performance under Low-Light condition due to multi busbar; better shading response benefit from half cell module;

Anti-Crack

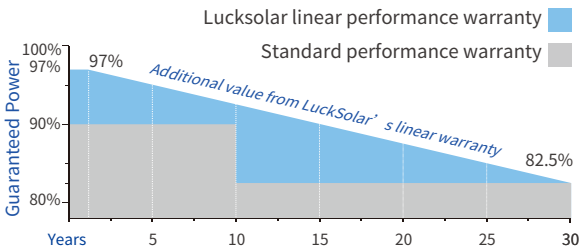
Excellent anti-microcracking performance with more balanced interior stress;

Strength and Durability

Certified for 5400Pa snow and 2400Pa loads test;

Linear Performance Warranty

15 Years Product Warranty · 30 Years Linear Power Warranty



Product And Quality Certifications

ISO 9001:2008

ISO 14001:2004

OHSAS 18001:2007

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Luck Solar is the world's leading green energy provider, committed to making clean energy illuminate every corner of the world. We strive to provide high-efficiency, high-quality and low-cost clean energy solutions. Luck Solar insists on continuous innovation around customer needs. We invest heavily in technology research, and promotes green energy in the world.

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ELECTRICAL SPECIFICATIONS

Module Type	LS-MD120-320		LS-MD120-325		LS-MD120-330		LS-MD120-335		LS-MD120-340		LS-MD120-345	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated output (Pmp/Wp)	320	238.55	325	242.58	330	245.85	335	249.92	340	253.23	345	257.34
Rated voltage (Vmp/V)	33.06	30.90	33.44	31.30	33.80	31.60	34.16	32.00	34.52	32.30	34.88	32.30
Rated current (Imp/A)	9.68	7.72	9.72	7.75	9.76	7.78	9.81	7.81	9.85	7.84	9.89	7.84
Open circuit voltage (Voc/V)	39.85	37.10	40.15	37.30	40.44	37.60	40.71	37.80	40.98	38.10	41.25	38.30
Short circuit current (Isc/A)	10.12	8.19	10.16	8.22	10.20	8.25	10.24	8.28	10.28	8.31	10.32	8.34
Module efficiency (%)	18.81%		19.10%		19.40%		19.69%		19.98%		20.28%	
Power Tolerance (W)	0~+5		0~+5		0~+5		0~+5		0~+5		0~+5	

Standard Test Condition(STC): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5
Nominal Operating Cell Temperature(NOCT): Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s

TEMPERATURE CHARACTERISTICS

NOCT Temperature	44°C ±2°C
Temprature Coefficient (Pmax)	-0.35%/°C
Temprature Coefficient (Voc)	-0.28%/°C
Temprature Coefficient (Isc)	0.04%/°C

MAXIMUM RATINGS

Maximum system voltage (IEC)	1500V DC
Snow/Wind	5400Pa/2400Pa
Operating Temperature	-40°C ~ +85°C
Maximum series fuse rating	20A

MECHANICAL SPECIFICATIONS

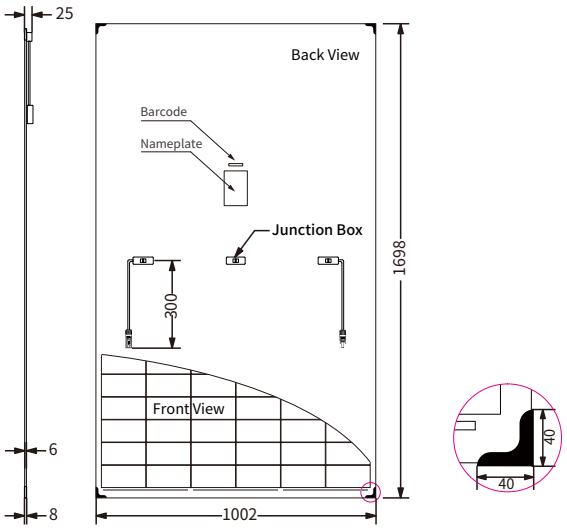
Cell Type	12BB/9BB MONO 158.75×79.375mm
No. of Cells	120 (12×10)
Dimensions	1698×1002×6mm
Weight	24.6kg
Front Glass	2.5mm, Anti-Reflection Coating
Back Glass	2.5mm, heat strengthened glass
Junction Box	IP67/IP68, 3 diodes
Output Cables	4mm², (+)300mm, (-) 300mm or Customized Length
Connector type	MC4 compatible

PACKING CONFIGURATIONS

Per Pallet	30 Pcs
Per 20' GP Container	360 Pcs
Per 40' HQ Container	910 Pcs

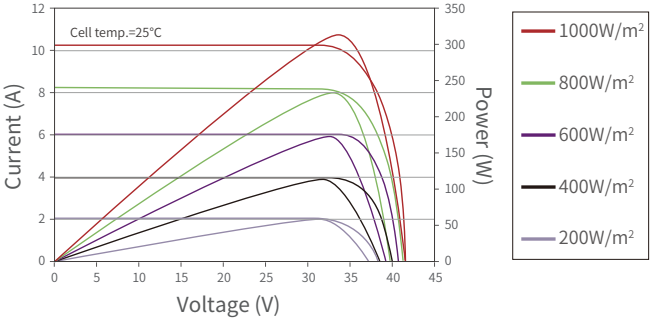
ENGINEERING DRAWINGS

Engineering Drawings



CURVE & TEMPERATURE DEPENDENCE

I-V CURVE (325W)



Current-Voltage curves (325W)