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Solar Panel Guide Specification Data Sheet

Jiangsu Luck PV-Tech Co., Ltd.

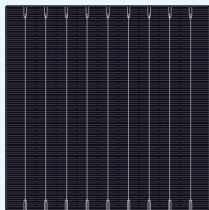
LS-M72 375-400W

LS-M72-395

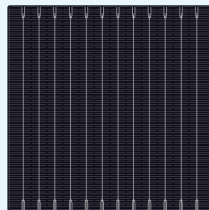
Also available on the web at
EnergyPal.com/jiangsu-luck-pv-tech-co-ltd-solar-panels/ls-m72-395

375-400 Watt LS-M72

Full-Cell MBB 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 20.17%

Higher power brings lower kilowatt-hour cost, 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;



Anti-Crack

Excellent anti-microcracking performance with more balanced interior stress;

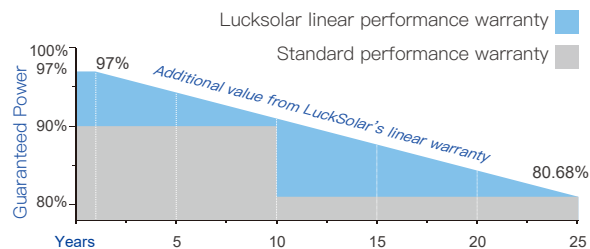


Strength and Durability

Certified for 5400Pa snow and 2400Pa loads test;

Linear Performance Warranty

12 Years Product Warranty · 25 Years Linear Power Warranty



Product And Quality Certifications

ISO 9001:2008

ISO 14001:2004

OHSAS 18001:2007



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ELECTRICAL SPECIFICATIONS

Module Type	LS-M72-375		LS-M72-380		LS-M72-385		LS-M72-390		LS-M72-395		LS-M72-400	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated output (Pmp/Wp)	375	278.50	380	282.22	385	285.98	390	288.97	395	292.76	400	296.58
Rated voltage (Vmp/V)	39.60	36.50	39.80	36.70	39.98	36.90	40.17	37.00	40.35	37.20	40.53	37.40
Rated current (Imp/A)	9.47	7.63	9.55	7.69	9.63	7.75	9.71	7.81	9.79	7.87	9.87	7.93
Open circuit voltage (Voc/V)	48.00	44.50	48.20	44.70	48.40	44.90	48.60	45.10	48.80	45.30	49.00	45.50
Short circuit current (Isc/A)	10.05	8.12	10.13	8.19	10.21	8.25	10.29	8.32	10.37	8.39	10.45	8.46
Module efficiency (%)	18.91%		19.16%		19.42%		19.67%		19.92%		20.17%	
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	5°C ±2°C
Temperature Coefficient (Pmax)	-0.39%/K
Temperature Coefficient (Voc)	-0.30%/K
Temperature Coefficient (Isc)	0.06%/K

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

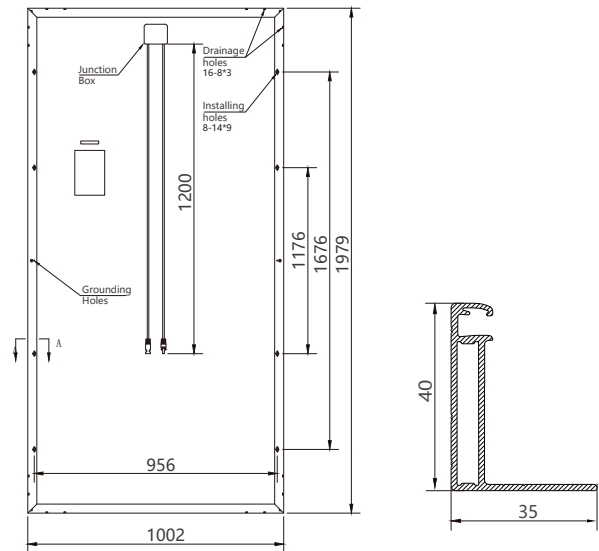
Cell Type	12BB/9BB MONO 158.75×158.75mm
No. of Cells	72 (6×12)
Dimensions	1979×1002×40mm
Weight	22.5kg
Glass	3.2mm, Low Iron Tempered Glass
Frame	Anodized Aluminium Alloy (silver or black)
Junction Box	IP67/IP68, 3 diodes
Output Cables	4mm ² , Length 1200mm
Connector type	MC4 compatible

PACKING CONFIGURATIONS

Per Pallet	27 Pcs
Per 20' GP Container	270 Pcs
Per 40' HQ Container	638 Pcs

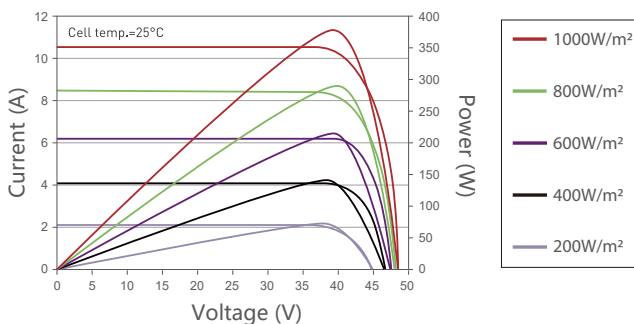
ENGINEERING DRAWINGS

Engineering Drawings



CURVE & TEMPERATURE DEPENDENCE

I-V CURVE (385W)



Current-Voltage curves (385W)

