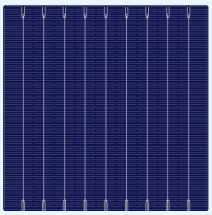
LUCKSOLAR

Cleaner Solar, Smarter Life.

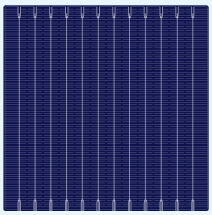
270-285 Watt

LS-P60

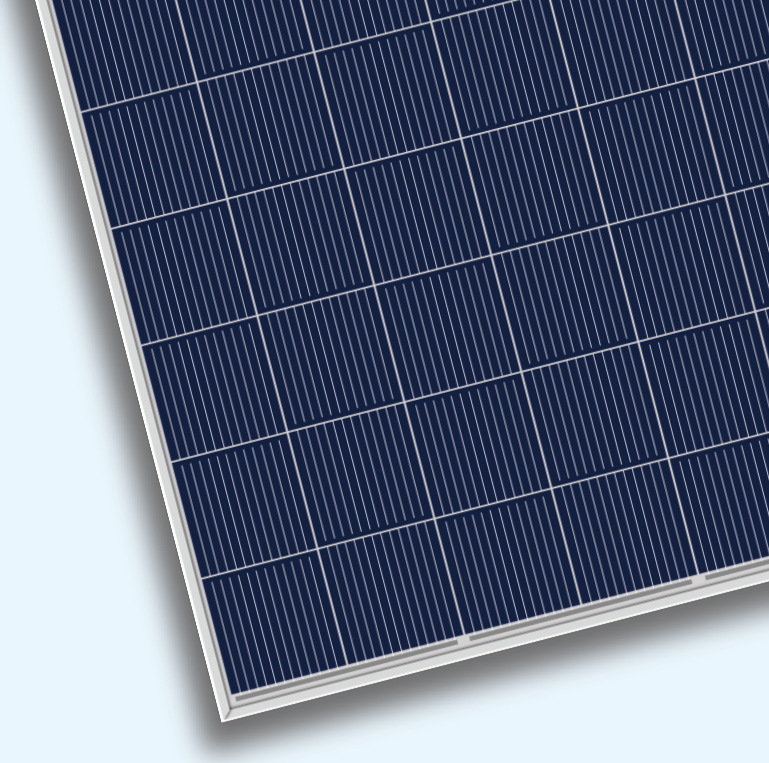
Full-Cell MBB POLY MODULE



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 17.41%
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;

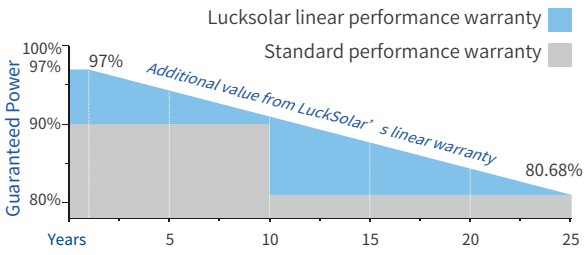
Low-Light Performance
Excellent power generation performance under Low-Light condition due to multi busbar;

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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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-P60-270		LS-P60-275		LS-P60-280		LS-P60-285	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated output (Pmp/Wp)	270	201.02	275	204.45	280	207.90	285	211.39
Rated voltage (Vmp/V)	31.20	28.80	31.40	29.00	31.60	29.20	31.80	29.40
Rated current (Imp/A)	8.65	6.98	8.76	7.05	8.86	7.12	8.96	7.19
Open circuit voltage (Voc/V)	38.30	35.60	38.50	35.80	38.70	36.00	38.90	36.10
Short circuit current (Isc/A)	9.29	7.50	9.38	7.57	9.46	7.64	9.54	7.70
Module efficiency (%)	16.50%		16.80%		17.11%		17.41%	
Power Tolerance (W)	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	45°C ±2°C
Temprature Coefficient (Pmax)	-0.39%/°C
Temprature Coefficient (Voc)	-0.30%/°C
Temprature Coefficient (Isc)	0.06%/°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

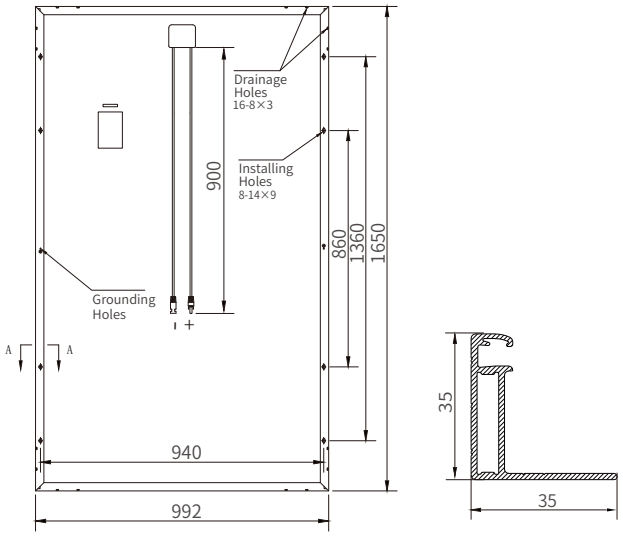
Cell Type	12BB/9BB POLY 156.75×156.75mm
No. of Cells	60 (6×10)
Dimensions	1650×992×35mm
Weight	19.0kg
Glass	3.2mm, Low Iron Tempered Glass
Frame	Anodized Aluminium Alloy (silver or black)
Junction Box	IP67/IP68, 3 diodes
Output Cables	4mm², Length 900mm
Connector type	MC4 compatible

PACKING CONFIGURATIONS

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

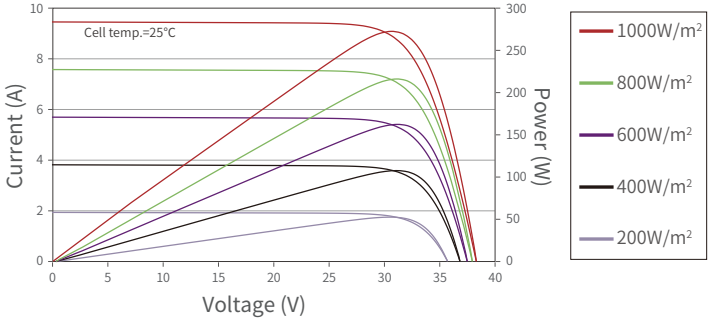
ENGINEERING DRAWINGS

Engineering Drawings



CURVE & TEMPERATURE DEPENDENCE

I-V CURVE (275W)



Current-Voltage curves (275W)