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**Solar Panel Guide
Specification Data Sheet**

Lightway Solar Energy Technology Ltd

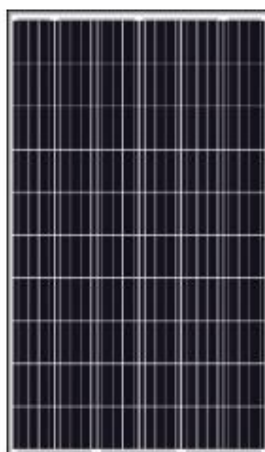
LW265-280-60P

LW270W-60P

Also available on the web at
EnergyPal.com/lightway-solar-energy-technology-ltd-solar-panels/lw270w-60p



Poly



LW265-280-60P

LW280-60P LW275-60P

LW270-60P LW265-60P

>18.6%

Cell efficiency

World class poly efficiency

Positive tolerance offer

PID-free

280W

Highest power output

Tighter distribution and current sorting reduces power loss in system operation

10 Year

workmanship warranty

Certified for salt & ammonia corrosion, blowing sand and hail resistance conditions

25 Year

Linear power output warranty

Good temperature coefficient enables higher output in high temperature regions

Lightway, is a hi-tech corporation with its core business in R&D, manufacturing, and sale of high efficiency silicon based solar modules and system.

Lightway supply solar panel for to residential,commercial,utility etc projects all around the world.

Through strict selection of raw materials, stringent quality control and rigorous test in state of the art facilities . Lightway has always committed to higher efficiency, more stable and better cost performance products.



All information and data are subject to technical changes and test without notice. Lightway reserves the right of final interpretation.

www.lightway-tech.com

Model	LW280-60P	LW275-60P	LW270-60P	LW265-60P
Max Power - Pmpp (W)	280	275	270	265
Positive power tolerance	0 ~ +3	0 ~ +3	0 ~ +3	0 ~ +3
Open Circuit Voltage - Voc (V)	38.85	38.46	38.30	38.14
Short Circuit Current - Isc (A)	9.33	9.22	9.16	9.10
Max Power Voltage-Vmpp (V)	31.88	31.54	31.21	30.89
Max Power Current - Impp (A)	8.78	8.72	8.65	8.58
Module Efficiency	17.12	16.82	16.51	16.21

Model				
Max Power - P _{mpp} (W)	204.13	200.20	196.56	192.92
Max Power Voltage - V _{mpp} (V)	28.66	28.41	28.23	28.07
Max Power Current - I _{mpp} (A)	7.12	7.05	6.96	6.87
Open Circuit Voltage - V _{oc} (V)	35.68	35.37	35.19	35.03
Short Circuit Current - I _{sc} (A)	7.38	7.34	7.31	7.28

Voltage Temperature Coefficient	-0.330%/K
Current Temperature Coefficient	+0.058%/K
Power Temperature Coefficient	-0.400%/K

Maximum system voltage	1000
Series fuse rating (A)	15
Reverse current overload	25

Dimensions	1650*991*35mm
Weight	18kg
Frame	Anodized aluminum profile
Front glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6 x 10 pieces poly solar cells series strings (156.75 mm x 156.75 mm)
Junction Box	Rated current ≥ 12A, IP ≥ 67, TUV
Cable	Length 900 mm, 1 x 4 mm ²
Connector	MC 4/ compatible with MC 4

Container 20'	396pcs
Container 40'	840pcs
Container 40'HC	924pcs

Temp. range	-40°C to + 85°C
Hail	max.diameter of 25mm with 23m/s impact speed
Max. capacity	Snow 5400 Pa, wind 2400 Pa
Application class	A
Safety class	II

Technical drawing of the solar panel showing dimensions and mounting details. The panel is 991mm wide and 1659mm high. It features a 1000x100mm central area with a 14mm gap. Mounting holes are 8mm in diameter, and grounding holes are 6mm in diameter. A label is shown in the top left corner. A cross-section A-A shows the panel's thickness of 35mm.