



Poly



LW155-170-36P

LW170-36P LW165-36P

LW160-36P LW155-36P

>18.0%

Cell efficiency

World class poly efficiency
Positive tolerance offer
PID-free

170W

Highest power output

Tighter distribution and current sorting
reduces power loss in system operation

10 Year

Material & workmanship
warranty

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

25 Year

Linear power output
warranty

Excellent performance under low light conditions
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.

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Electrical characteristics at Standard Test Conditions (STC)

Model	LW170-36P	LW165-36P	LW160-36P	LW155-36P
Max Power - P _{mpp} (W)	170	165	160	155
Positive power tolerance	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%
Open Circuit Voltage - V _{oc} (V)	22.8	22.7	22.6	22.5
Short Circuit Current - I _{sc} (A)	9.93	9.71	9.52	9.28
Max Power Voltage-V _{mpp} (V)	17.9	17.8	17.7	17.6
Max Power Current - I _{mp} (A)	9.50	9.27	9.04	8.81
Module Efficiency	16.87%	16.37%	15.87%	15.38%

Electrical data relates to standard test conditions (STC) : irradiance 1000 W/m² ; AM 1.5 ; cell temperature 25°C measuring uncertainty of power is within ±3%. Certified in accordance with IEC61215, IEC61730-1/2

Temperature Characteristics

Voltage Temperature Coefficient	-0.307%/K
Current Temperature Coefficient	+0.039%/K
Power Temperature Coefficient	-0.423%/K

Maximum Ratings

Maximum system voltag	1000V
Series fuse rating (A)	15A
Reverse current overloa	25A

Mechanical Characteristics

Dimensions	1482*680*35mm(L*W*H)
Weight	12kg
Frame	Anodized aluminum profile
Front glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	TPE Composite film
No.Cells	36(4*9) pieces poly solar cells series strings 156.75x156.75mm
Junction Box	Rated current ≥ 12A, IP ≥ 67, TUV
Cable	Length 900 mm, 1 × 2.5 mm ²
Connector	MC 4/ compatible with MC 4

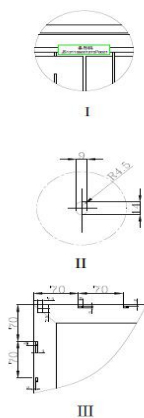
Packaging

Container 20'	350pcs	Temp. range	-40°C to + 85°C
Container 40'	676pcs	Hail	max.diameter of 25mm with 23m/s impact speed
Container 40'HC	780pcs	Max. capacity	Snow 5400 Pa, wind 2400 Pa
		Application class	A
		Safety class	II

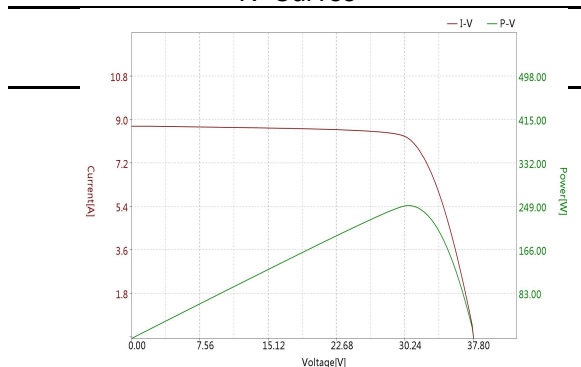
System Design

Dimensions

Note: Module layout below only valid for modules with 35mm thickness. All dimensions in mm.



IV-Curves



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Electrical data in this catalog do not refer to a single module and they are not part of the offer.

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