



Mono



LW95-110-36M

LW110-36M LW105-36M

LW100-36M LW95-36M

>19.2%

Cell efficiency

World class Mono efficiency
Positive tolerance offer
PID-free

110W

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
Excellent performance under low light 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.

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Electrical characteristics at Standard Test Conditions (STC)

Model	LW110-36M	LW105-36M	LW100-36M	LW95-36M
Max Power - P _{mp} (W)	110	105	100	95
Positive power tolerance	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%
Open Circuit Voltage - Voc (V)	22.9	22.73	22.61	21.52
Short Circuit Current - Isc (A)	6.15	6.02	5.91	5.81
Max Power Voltage-V _{mp} (V)	18.27	18.21	18.11	17.91
Max Power Current - I _{mp} (A)	6.03	5.77	5.53	5.31
Module Efficiency	16.88%	16.11%	15.34%	14.58%

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	-0.300%/K
Current Temperature Coefficient	+0.060%/K
Power Temperature Coefficient	-0.400%/K

Maximum Ratings

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

Mechanical Characteristics

Dimensions	1199*493*35mm(L*W*H)	
Weight	10kg	
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 mono solar cells series strings	125x125mm
Junction Box	Rated current ≥ 12A, IP ≥ 67, TUV	
Cable	Length 600 mm, 1 × 2.5 mm ²	
Connector	MC 4/ compatible with MC 4	

Packaging

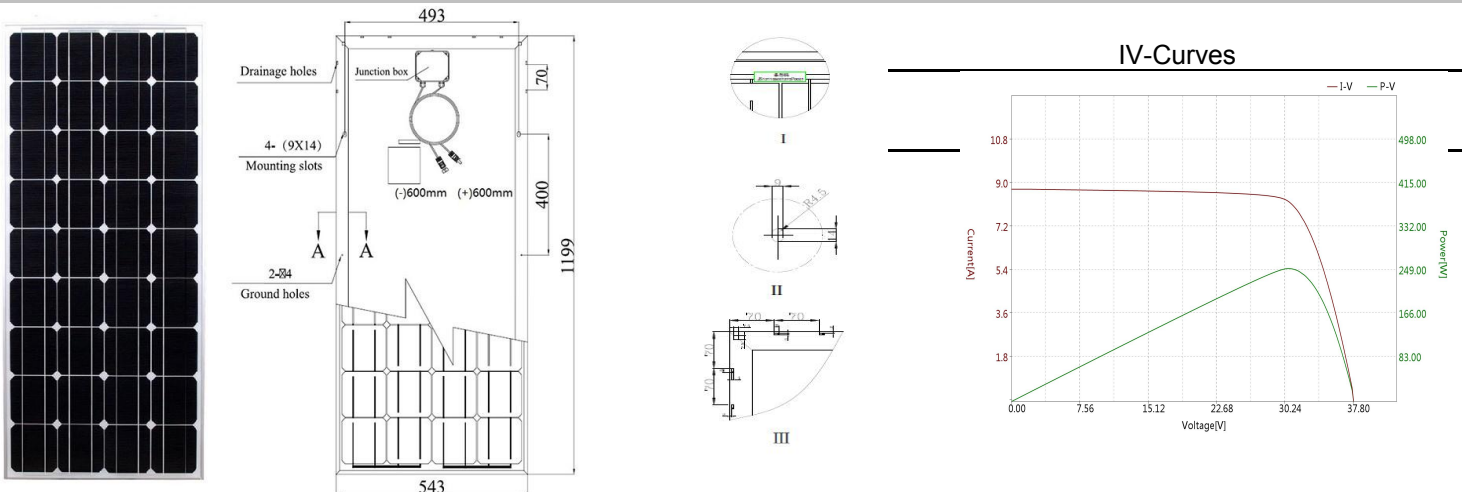
Container 20'	400pcs	Temp. range	-40°C to + 85°C
Container 40'	820pcs	Hail	max.diameter of 25mm with 23m/s impact speed
Container 40'HC	880pcs	Max. capacity	Snow 5400 Pa, wind 2400 Pa

System Design

Application class	A
Safety class	II

Dimensions

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



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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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