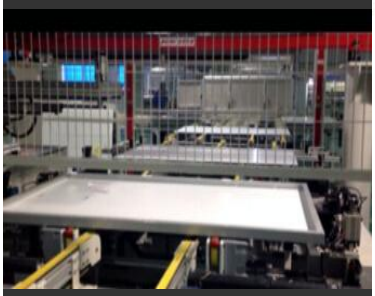
Double Glass



LW265-280-60P

LW265-60P-DG LW270-60P-DG

LW275-60P-DG LW280-60P-DG

>19.0%	Cell efficiency	World class Poly efficiency Positive tolerance power PID/PERC
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 cells and modules.

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.

www.lightway-tech.com

Electrical characteristics at Standard Test Conditions (STC)

Model	LW265-60P-DG	LW270-60P-DG	LW275-60P-DG	LW280-60P-DG
Max Power - Pmpp (W)	265	270	275	280
Positive power tolerance (W)	0 ～ +5	0 ～ +5	0 ～ +5	0 ～ +5
Open Circuit Voltage - Voc (V)	38.16	38.45	38.72	38.97
Short Circuit Current - Isc (A)	9.02	9.10	9.18	9.26
Max Power Voltage-Vmpp (V)	31.14	31.48	31.76	32.05
Max Power Current - Impp (A)	8.51	8.58	8.66	8.74
Module Efficiency	16.10	16.40	16.70	17.00

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

Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

Model				
Max Power - Pmpp (W)	197.00	201.00	205.00	209.00
Max Power Voltage - Vmpp (V)	29.20	29.41	29.61	29.76
Max Power Current - Impp (A)	6.76	6.84	6.92	7.01
Open Circuit Voltage - Voc (V)	35.94	36.25	36.56	36.73
Short Circuit Current - Isc (A)	7.25	7.29	7.35	7.41

Electrical data relates to normal operating cell temperature (NOCT): irradiance 800 W/m2 ; wind speed 1 m/s ; cell temperature 45±2 °C; ambient temperature 20 °C measuring uncertainty of power is within ±3%

Temperature Characteristics

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

Mechanical Characteristics

Maximum Ratings

Maximum system voltag	1500
Series fuse rating (A)	20
Reverse current overloa	25

Mechanical Characteristics

Dimensions	1658*992*6mm(1658x992x25mm with junction box)
Weight	23kg
Frame	Anodized aluminum profile
Front glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells	6x10 pieces poly PID/PERC solar cells(156.75 mm x 156.75 mm)
Junction Box	3 diodes,IP ⩾ 67, TUV
Cable	1 x 4 mm²
Connector	MC 4/ compatible with MC 4

Packaging

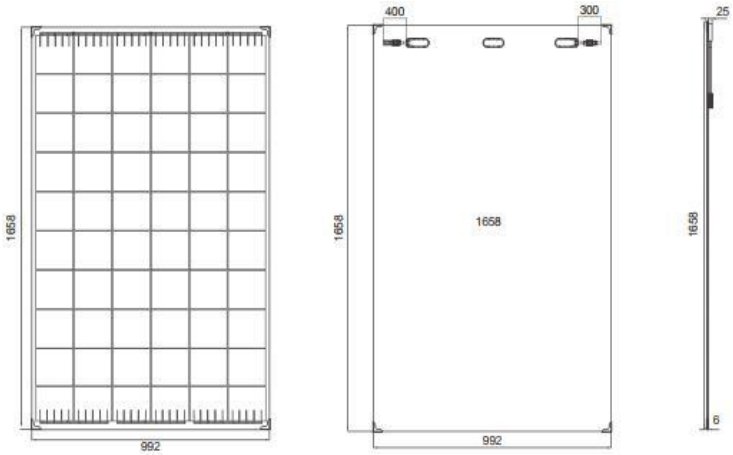
Container 20‘	360pcs
Container 40‘	720pcs
Container 40‘HC	936pcs

System Design

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

Dimensions

Note: Module layout below only valid for modules with 6mm thickness. All dimensions in mm.



IV-Curves