



LIGHTWAY SOLAR MODULE

LW105P36-2/3

- High efficiency cells ensure the high energy yields
- Easy and quick installation design with pre-drilled holes on the frame
- Qualified raw material and advanced encapsulation meets most stringent safety requirements of high voltage operation
- Production facility calibrated and staff trained by TUV

ELECTRICAL DATA @ STC

Module Type		LW095P36-2/3	LW100P36-2/3	LW105P36-2/3
Peak Power_Pmax	W	95	100	105
Power tolerance_ΔPmax	W	±5	±5	±5
Voltage at Pmax_Vmpp	V	17.73	17.97	18.23
Current at Pmax_Impp	A	5.36	5.57	5.76
Open Circuit Voltage_Voc	V	22.38	22.68	22.86
Short Circuit Current_Isc	A	5.64	5.86	6.05
Module Efficiency_η		14.04%	14.78%	15.52%

Values at standard test condition STC: AM 1.5, irradiance 1000W/m², cells temperature 25 °C

TEMPERATURE RATING

Temperature Coefficient of Pmax	%/C	-0.42
Temperature Coefficient of Isc	%/C	0.06
Temperature Coefficient of Voc	%/C	-0.32

MAXIMUM RATING

Max. System Voltage	V	600
Nominal operating cell temperature(NOCT)	°C	45±2 °C
Operating Temperature	°C	-40 ~ +85 °C
Max. static load, front (eg. snow)	Pa	2400
Max. static load, back (eg. wind)	Pa	2400
Module Dimension(L×W×H)	mm	670*1010*25/30
Weight	kg	7.1

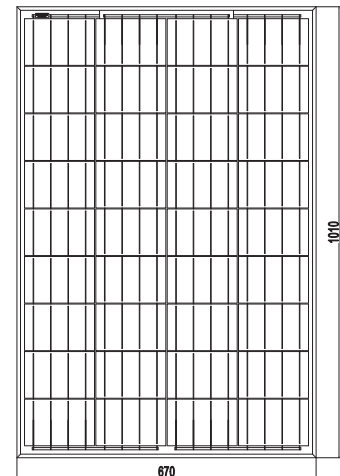
CONSTRUCTION MATERIALS

Solar cells	36/Poly/156mm×104.00mm
Glass	3.2mm Low-iron tempered glass
Encapsulant	Ethylene vinyl acetate(EVA)
Frame	Anodized aluminium alloy(Silver)

Module Warranty:

25-year limited warranty of 80% power output; 10-year limited warranty of 90% power output; 5-year limited warranty of materials and workmanship.

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Unit:mm

