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Solar Panel Guide Specification Data Sheet

Lightway Green New Energy Co., Ltd.

LW105P36-2/3

LW095P36-2/3

Also available on the web at
EnergyPal.com/lightway-green-new-energy-co-ltd-solar-panels/lw095p36-2-3



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_Imp | 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 |

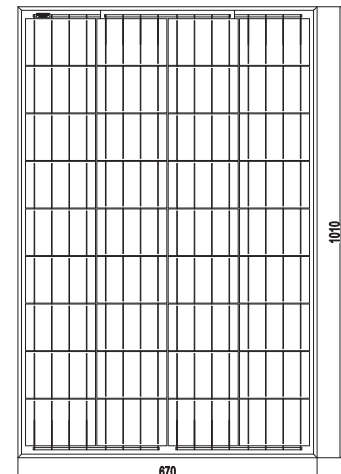
CONSTRUCTION MATERIALS

| | |
|-------------|----------------------------------|
| 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.

www.lightwaysolar.com
 Tel: +86 312 6932833
 Fax: +86 312 2951166
 Email: commerce@lightwaysolar.com



Unit:mm

