



# LIGHTWAY SOLAR MODULE

## LW160P72-1/2

- 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               |   | LW150P72-1/2 | LW155P72-1/2 | LW160P72-1/2 |
|---------------------------|---|--------------|--------------|--------------|
| Peak Power_Pmax           | W | 150          | 155          | 160          |
| Power tolerance_ΔPmax     | W | ±5           | ±5           | ±5           |
| Voltage at Pmax_Vmpp      | V | 35.94        | 36.28        | 36.58        |
| Current at Pmax_Imp       | A | 4.18         | 4.28         | 4.38         |
| Open Circuit Voltage_Voc  | V | 45           | 45.2         | 45.8         |
| Short Circuit Current_Isc | A | 4.41         | 4.53         | 4.61         |
| Module Efficiency_η       |   | 14.88%       | 15.38%       | 15.88%       |

Values at standard test condition STC: AM 1.5, irradiance 1000W/m<sup>2</sup>, 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

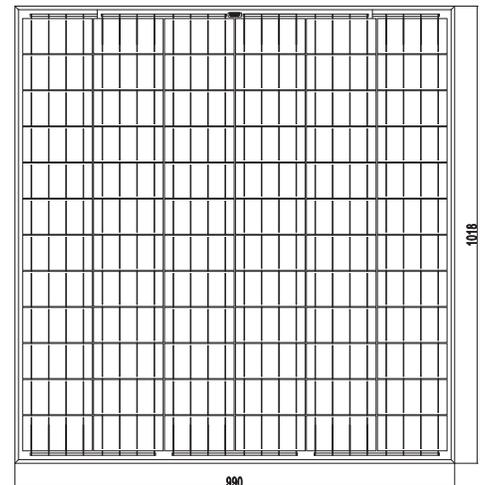
|  |    |                   |
|--|----|-------------------|
| Max. System Voltage                      | V  | 600               |
| Nominal operating cell temperature(NOCT) | C  | 45±2 C            |
| Operating Temperature                    | C  | -40 ~ +85 C       |
| Max. static load, front (eg. snow)       | Pa | 2400              |
| Max. static load, back (eg. wind)        | Pa | 2400              |
| Module Dimension(L×W×H)                  | mm | 1018*990*25/30/35 |
| Weight                                   | kg | 10.2              |

### CONSTRUCTION MATERIALS

|             |                                  |
|-------------|----------------------------------|
| Solar cells | 72/Poly/156mm×78.00mm            |
| 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

