



XINSHUN PV

### Electrical Data

| Module Type                             | XSSP140M27 | XSSP145M27 | XSSP150M27 | XSSP155M27 |
|---|------------|------------|------------|------------|
| Nominal peak power (Wp)                 | 140        | 145        | 150        | 155        |
| Nominal voltage (Vmp)                   | 27.81      | 27.97      | 28.67      | 28.99      |
| Nominal current (Imp)                   | 5.05       | 5.19       | 5.26       | 5.36       |
| Open circuit voltage (Voc)              | 33.75      | 33.91      | 34.29      | 34.39      |
| Short circuit current (Isc)             | 5.75       | 5.79       | 5.85       | 5.88       |
| Module efficiency                       | > 14.5%    | > 15.0%    | > 15.5%    | > 16.0%    |
| Operating Temperature                   | -45—+85°C  |            |            |            |
| Maximum System Voltage                  | 1000VDC    |            |            |            |
| STC: AM1.5, 1000W/m <sup>2</sup> , 25°C |            |            |            |            |

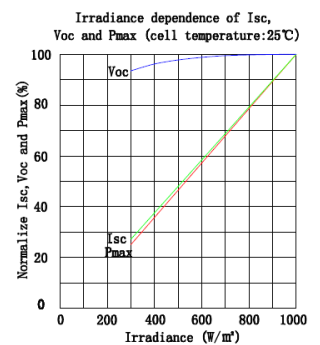
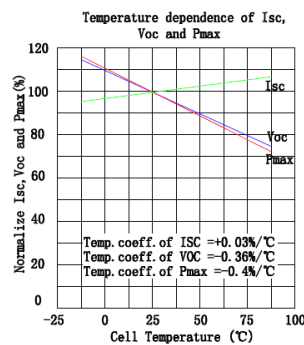
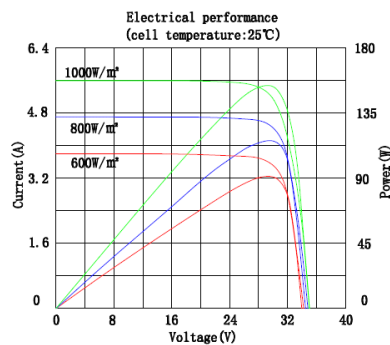
### Temperature Coefficients

|   |
|---|
| NOCT: 47 ±2°C                                     |
| Voltage temperature coefficient (Voc): -0.36%/ °C |
| Current temperature coefficient (Isc): +0.03%/ °C |
| Power temperature coefficient (Pmp): -0.40%/ °C   |
| Minimum power tolerance: ±3%                      |
| NOCT: Nominal Operating Cell Temperature          |

### Mechanical Data

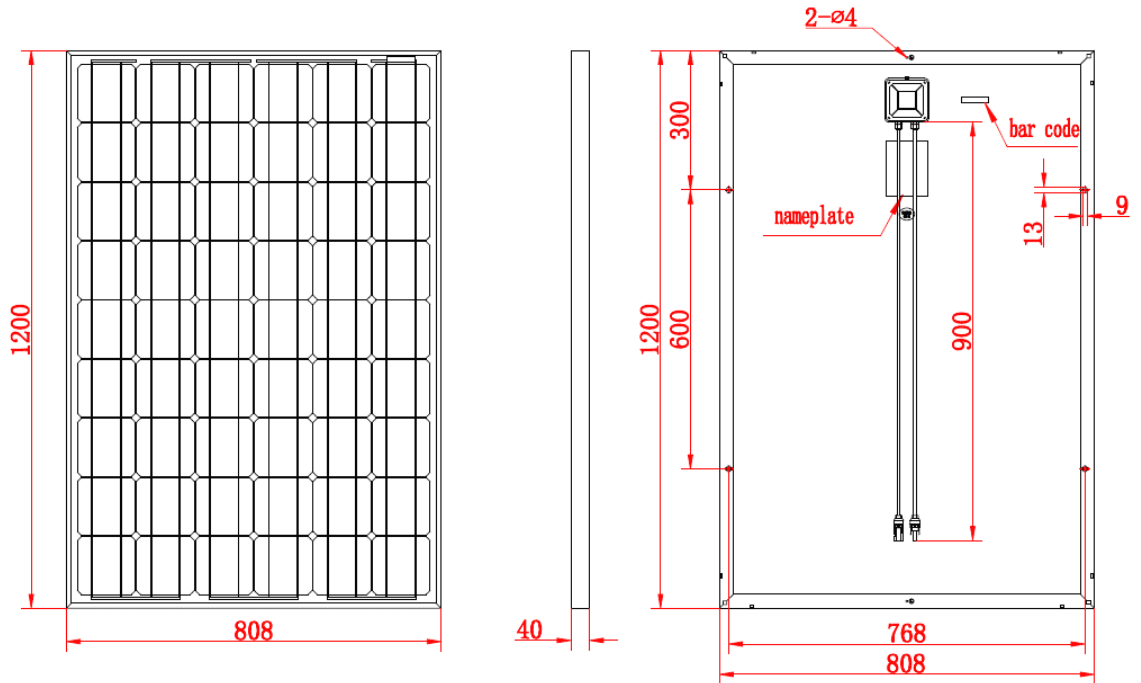
|  |                               |                               |          |
|--|-------------------------------|-------------------------------|----------|
| Solar cell: 54 Monocrystalline 125x125mm                     |                               |                               |          |
| Output Cables: 900mm length/compliable with MC IV connectors |                               |                               |          |
| Dimension: 1200×808×40mm                                     |                               |                               |          |
| Junction Box: IP65 Rated                                     |                               | Front Glass: 3.2mm tempered   |          |
| Frame: Anodized aluminium                                    |                               | Weight: 11.3Kg                |          |
| 20<br>Gp   | Packing Size: 1250*1150*950mm |                               | 40<br>HP |
|  | Volume: 1.33m <sup>3</sup>    |                               |          |
|  | Weight Per set: 350Kg         |                               |          |
|  | Pallets: 26*2=52Pcs           |                               |          |
|  | Quantity: 4*2*52=416Pcs       |                               |          |
| Packing Size: 1250*1150*950mm                                |                               | Packing Size: 1250*1150*950mm |          |
| Volume: 1.33m <sup>3</sup>                                   |                               | Volume: 1.33m <sup>3</sup>    |          |
| Weight Per set: 350Kg  |                               | Weight Per set: 350Kg         |          |
| Pallets: 26*2=52Pcs  |                               | Pallets: 26*2=52Pcs           |          |
| Quantity: 4*2*52=416Pcs                                      |                               | Quantity: 9*2*52=936Pcs       |          |

### Typical Electrical Characteristics





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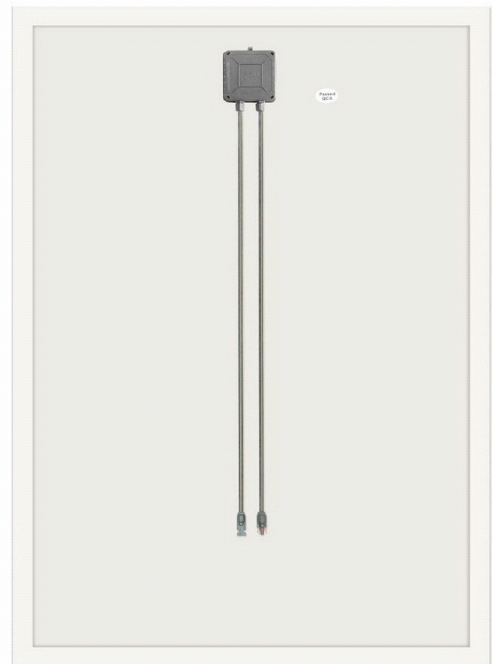
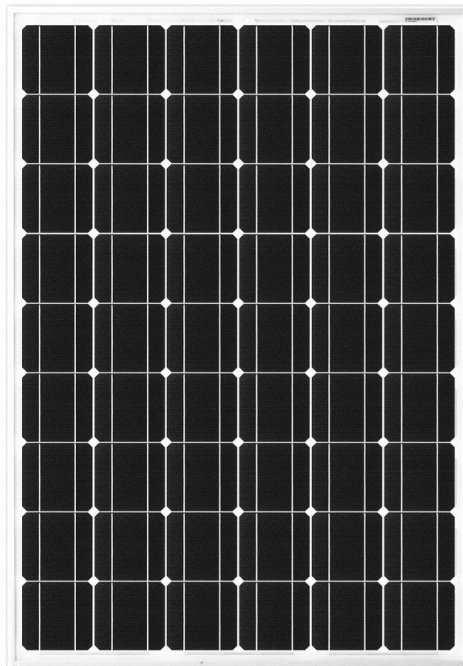


### Warranty

**10 years workmanship**

**90% power output after 10 years**

**80% power output after 25 years**



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