

## Features

- High conversion efficiency
- Low power tolerance of 0~+3%
- Low degradation under light exposure
- Can withstand high wind-pressure, snow load and extreme temperature
- Passing IEC 61215 2400Pa mechanical load test

## Quality and Safety

- 10-year warranty on product materials and processing technology
- Power output warranty:10 years:90%,25 years:80%
- ISO 9001:2008(Quality Management System) certified factory
- IEC61215,IEC61730 ,MCS CEC certified products
- TUV,CE conformity

## Applications

- On-grid residential roof-tops
- On-grid commercial/industrial roof-tops
- Solar power plants
- Off-grid system
- Other on-grid applications

## Specifications

| Model Type                                  | ODA50-18-M                 |
|---------------------------------------------|----------------------------|
| Peak Power(Pmax)                            | 50.00                      |
| Maximum Power Voltage(Vmp)                  | 18.57                      |
| Maximum Power Current(Imp)                  | 2.70                       |
| Open Circuit Voltage(Voc)                   | 22.64                      |
| Short Circuit Current(Isc)                  | 2.88                       |
| Cells Efficiency(%)                         | 18.69                      |
| Module Efficiency(%)                        | 14.19                      |
| Maximum System Voltage(V)                   | 1000                       |
| Maximum Series Fuse Rating(A)               | 10                         |
| Power Tolerance                             | 0~+3%                      |
| Pmax Temperature Coefficients(W/°C)         | -0.470 %                   |
| Voc Temperature Coefficients(V/°C)          | -0.380 %                   |
| Isc Temperature Coefficients(A/°C)          | +0.040 %                   |
| NOCT Nominal Operating Cell Temperature(°C) | 47±2                       |
| Operating and Storage Temperature(°C)       | -40~+85                    |
| Standard Test Condition(STC)                | 1.000W/m²;AM 1.5;25+/-2 °C |



## Mechanical characteristics & Packaging

|                  |                                                   |
|------------------|---------------------------------------------------|
| Cell Type        | Mono-crystalline 125x62.5mm                       |
| No. of Cells     | 36(4x9)                                           |
| Dimensions       | 636×554×30mm                                      |
| Weight           | 4.3kgs                                            |
| Front Glass      | 3.2mm high transmission, low iron, tempered glass |
| Frame            | Anodized Aluminium Alloy                          |
| Junction box     | IP65 Rated                                        |
| Output cables    | 2.5mm² Length 90cm, MC4 connector                 |
| Quantity/cartons | 5pcs                                              |

## Dimensions

50W单晶硅太阳能电池板 (636\*554\*30)

50W Mono solar panel (636\*554\*30) 单位:mm

