

# SOLARAYZZ

## SRZ-M18/156

## 600W-615W

## 182±1.5×92.875±1.5mm

## Cells 144

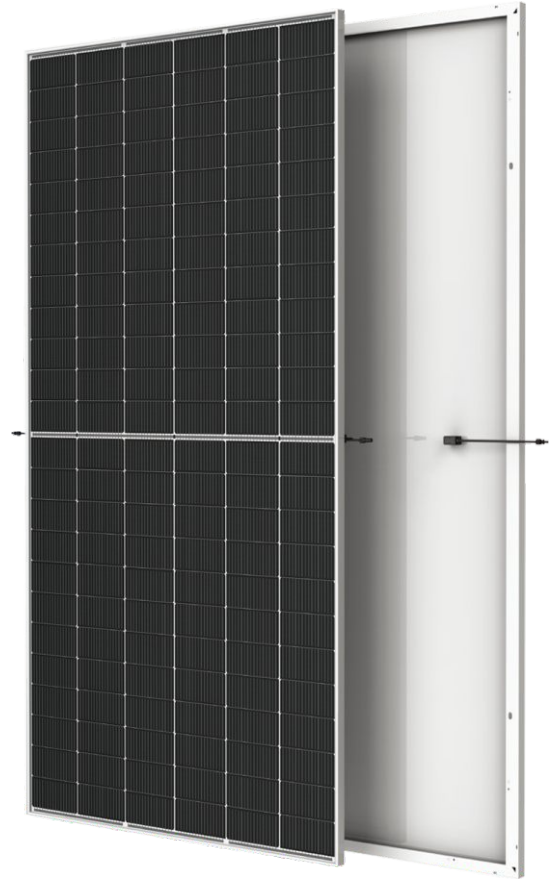
### Monocrystalline

### N-Type Half-Cell Module

Max Power Out: 615W

Max Efficiency: 23.25%

Power Tolerance: 0~+5W



#### SMBB Technology

Better light trapping and current collection to improve module power output and reliability



#### PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



#### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



#### Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



#### Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

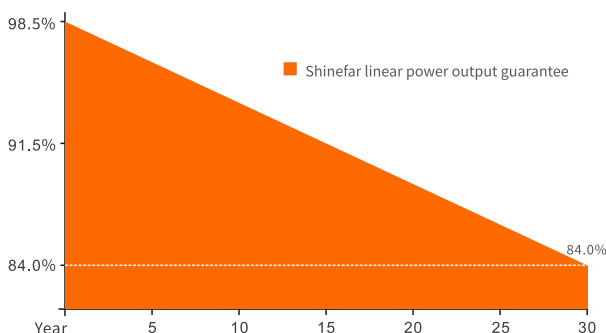


#### High Energy Generation, Low LCOE

Low Pmax temp coefficient increases energy production

### Superior Warranty

- 15-year material & technology warranty
- 30-year linear power output warranty



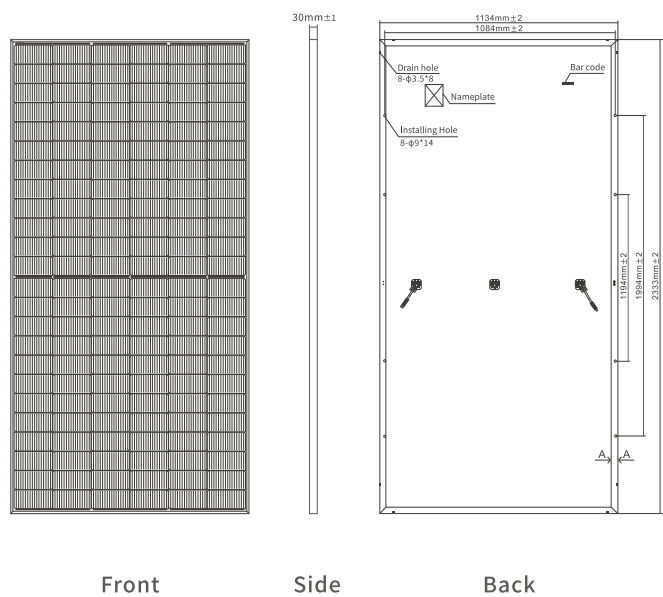
### Comprehensive Products and System Certificates

- IEC/EN61215-1:2021 & IEC/EN61215-2:2021
- IEC/EN61730-1:2016 & IEC/EN61730-2:2016
- UL61730-1:2017 & UL61730-2:2017
- UL61215-1:2017 & UL61215-2:2017
- IEC 61701:2020-Saltmist
- IEC 62716:2013-Ammonia
- IEC 62804:2020-PID
- IECCE Certificate Body (CB)
- UKCA:EN61730-2018
- ISO9001 & ISO14001 & ISO45001



Solar Excellence in Every Ray

Engineering Drawings



Structural Parameter

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Dimensions of Module | 2333×1134×30mm                                  |
| Weight               | 28.5kg                                          |
| Packing              | 37PCS/Pallet, 740PCS/40HQ                       |
| Glass                | High Transparency Solar Glass 3.2mm             |
| Backsheet            | White                                           |
| Frame                | Anodized Aluminum Alloy & Custom Color Accepted |
| J-Box                | IP68 Rated                                      |
| Cable                | 4.0mm <sup>2</sup> , 300mm                      |
| Bypass Diodes        | 3PCS                                            |
| Wind/ Snow Load      | 2400Pa/5400Pa                                   |
| Connector            | MC4 Compatible                                  |

Electrical Specification (STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5G — NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s)

| Module Type                     | SF-M18/156600                      |        | SF-M18/156605 |        | SF-M18/156610 |        | SF-M18/156615 |        |
|---------------------------------|------------------------------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Testing Condition               | STC                                | NOCT   | STC           | NOCT   | STC           | NOCT   | STC           | NOCT   |
| Maximum Power (Pmax) [W]        | 600                                | 450.00 | 605           | 453.75 | 610           | 457.50 | 615           | 461.25 |
| Maximum Power Voltage (Vmp) [V] | 43.76                              | 42.01  | 43.94         | 42.18  | 44.11         | 42.35  | 44.28         | 42.52  |
| Maximum Power Current (Imp) [A] | 13.71                              | 10.71  | 13.77         | 10.76  | 13.83         | 10.80  | 13.89         | 10.85  |
| Open Circuit Voltage (Voc) [V]  | 52.40                              | 50.30  | 52.60         | 50.50  | 52.80         | 50.69  | 53.00         | 50.88  |
| Short Circuit Current (Isc) [A] | 14.48                              | 11.73  | 14.53         | 11.77  | 14.59         | 11.82  | 14.65         | 11.87  |
| Module Efficiency [%]           | 22.68                              |        | 22.87         |        | 23.06         |        | 23.25         |        |
| Cell Type [mm]                  | Mono 182±1.5×92.875±1.5, 144 Cells |        |               |        |               |        |               |        |
| Operational Temperature [°C]    | -40~+85°C                          |        |               |        |               |        |               |        |
| Maximum System Voltage          | 1500V DC                           |        |               |        |               |        |               |        |
| Max Series Fuse Rating          | 25A                                |        |               |        |               |        |               |        |

Temperature Ratings

|                                    |           |
|------------------------------------|-----------|
| Nominal Operating Cell Temperature | 45±2°C    |
| Temperature Coefficient of Isc     | +0.05%/°C |
| Temperature Coefficient of Voc     | -0.23%/°C |
| Temperature Coefficient of Pmax    | -0.30%/°C |

Curve Diagram

