# 535-555W

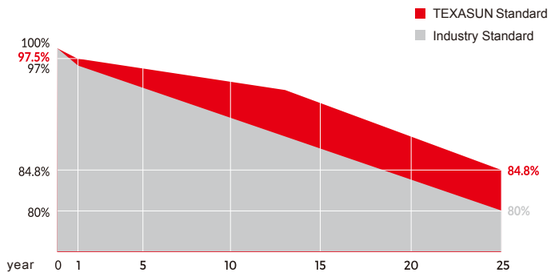
## Single Crystalline Silicon Solar Modules

### M10/182mm Cell.144 Half Cell Modules

The series of photovoltaic modules stands out through breakthrough innovation in large-sized M10 (182mm) solar cells, achieving the highest power generation and lowest LCOE. This makes the series of 5 modules the best choice for large solar power plants. The application of Ga-doped chip technology can significantly improve the performance of LID, while the latest integrated segmented carbon strip technology can improve power output and enhance the reliability of the modules in long-term use. We assure you 25 years guarantee of product power, 12 years of guarantee of product quality.

- Ga-doped
- Half Cell Technology
- Multi-grid Line Technology
- Anti PID Low LID Performance
- Less impact of Hot Spot Occlusion
- Lower BOS & LCOE Cost

## Linear Warranty




## Comprehensive Certificates

- ISO9001:2015
- ISO14001:2015
- ISO45001:2018
- IEC61215&IEC61730
- TUV
- CE
- UL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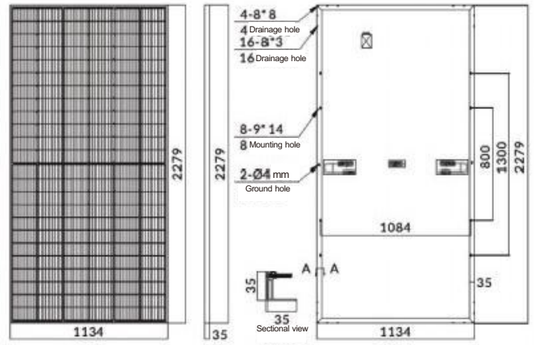
25 Years Product Power Guarantee

12 Years Product Quality Assurance

# TEXASUN 535W - 555W Monocrystalline Silicon(PERC)

## ◎ Structural Features

| | |
|---|---|
| Type | Mono Silicon |
| No. of Cells | 144(6x24) |
| Dimension | 2279x1134x35mm |
| Weight | 28/32.4Kg |
| Front | Thickness 3.2/2.0 mm Coated Tempered Gla |
| Aluminum Frame | Anodized Aluminum Alloy |
| Junction box | Ip68 (3 Bypass Diodes) |
| Connects Cable | 4.0 Square Millimetre |
| | 300 mm (+)/400 mm (−) |
| | Length can be customized |
| Plug−in Connector | Mc4 Compatible plug Connector |
| Maximum Mechanical Load | 5400 Pa |




## ◎ Electrical Performance Parameters

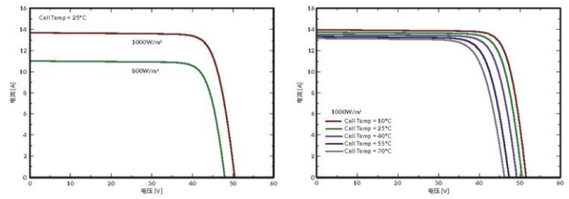
| Power Range | TEXASUN-535M | | TEXASUN-540M | | TEXASUN-545M | | TEXASUN-550M | | TEXASUN-555M | |
|---|---|---|---|---|---|---|---|---|---|---|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Peak Power(Pmax) | 535W | 405W | 540W | 408W | 545W | 412W | 550W | 416W | 555W | 420W |
| Open Circuit Voltage(Voc) | 49.45V | 46.31V | 49.60V | 46.43V | 49.75V | 46.55V | 49.90V | 46.68V | 50.05V | 46.85V |
| Short−circuit Current(Isc) | 13.79A | 11.05A | 13.86A | 11.09A | 13.93A | 11.13A | 14.00A | 11.17A | 14.07A | 11.21A |
| Peak Power Voltage(Vmpp) | 41.47V | 38.78V | 41.64V | 38.99V | 41.80V | 39.20V | 41.96V | 39.43V | 42.12V | 39.66V |
| Peak Power Current(Impp) | 12.90A | 10.43A | 12.97A | 10.47A | 13.04A | 10.51A | 13.11A | 10.55A | 13.18A | 10.59A |
| Module Efficiency(%) | 20.7% | | 20.9% | | 21.1% | | 21.3% | | 21.5% | |

Standard Test Conditions (STC); Irradiance 1000W/m ², Battery temperature 25 ℃, spectral AM1.5G
Nominal battery operating temperature (NOCT): irradiance 800W/m ², Environmental temperature 20 ℃, spectral AM1.5G, wind speed 1m/s

## ◎ Packing Parameters

| | | |
|---|---|---|
| Flat Car Model(Length) | 13m | 17.5m |
| Number of Modules per Pallet | 31 | 31 |
| Number of Pallet per Car | 22 | 30 |
| Number of Modules per Car | 682 | 930 |

I-V Curve




## ◎ Operation Parameters

| | |
|---|---|
| Ambient Temperature | −40℃to~+85℃ |
| Maximum System Voltage | 1500V DC (IEC) |
| Maximum Fuse Rating | 25A |
| Power Tolerance | 0/+5W |

## ◎ Temperature Feature

| | |
|---|---|
| Nominal operating temperature(Noct) | 45±2℃ |
| Peak Power Temperature Coefficient | −0.36%℃ |
| Open Circuit Temperature Coefficient | −0.28%℃ |
| Short Circuit Current Temperature Coefficient | +0.05%℃ |