

ZT Series Monocrystalline

Solar Module

140S/150S/160S



Efficiency

High Module Conversion Efficiencies utilizing three buss bars per cell

Warranty

Peace of Mind Guaranteed with a twenty-five Year Linear Power Warranty and Product Quality Ensured for ten years

Certifications

IEC 61215:2005, IEC 61730:2004, UL 1703-3rd Ed: 2014, ULC/ORD C1703-01:2014, ISO 9001:2008, PSK 024:2008

Tolerance

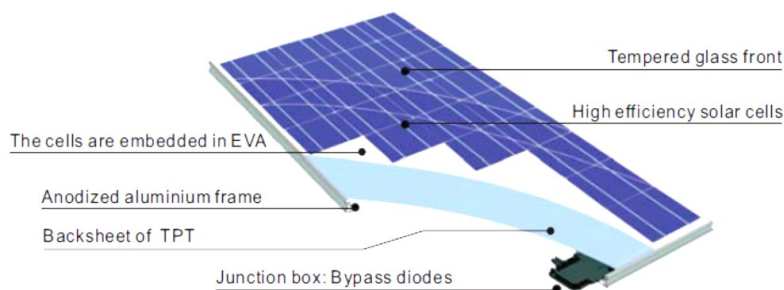
Strict quality control guarantees higher average power output according to positive tolerance -3/+3wp.

Optimized Strength

Minimum standard for wind 2700Pa to a Mechanical load capacity up to 5400Pa meet customer's needs for durability on high mountains, sea shores, & paths between buildings



Module Construction



EMPOWERING You
To Change The Future

Zytech was founded in Zaragoza (Spain) in 2005. Since then the group has progressively increased its infrastructure and production capacity to become a global power with offices and headquarters in Spain, Germany, France, Italy, BENELUX, Mexico, United States of America, Korea, Malaysia and China.

Zytech takes pride in their R&D department which specializes in product enhancement, state-of-the-art machinery and rigorous quality control that guarantees an European quality product at the best price.



www.zytechsolar.com

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Cell Data

| | |
|-------------------|-------------------------|
| Technology | Monocrystalline Silicon |
| Number Per Module | 36 |
| Dimension | 156 × 156mm |
| Orientation | 4 × 9 |

Thermal Data

| | |
|---|--------------|
| Nominal Operating Cell Temperature (NOCT) | 45°C ± 2°C |
| Temperature Coefficient of Voc | -0.34% / °C |
| Temperature Coefficient of Isc | +0.037% / °C |
| Temperature Coefficient of Power Pmax | -0.48% / °C |

Electrical Data (STC)

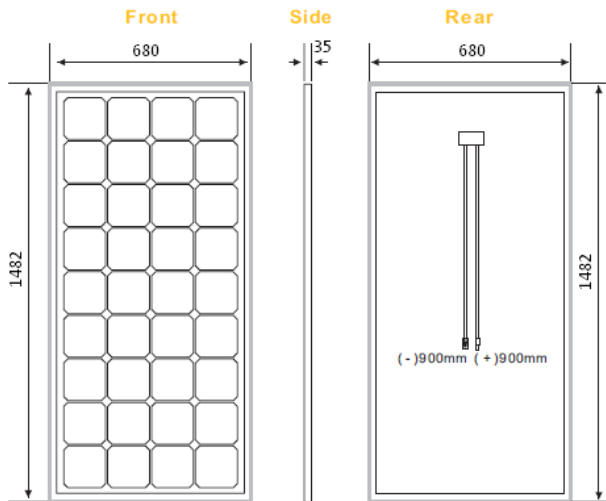
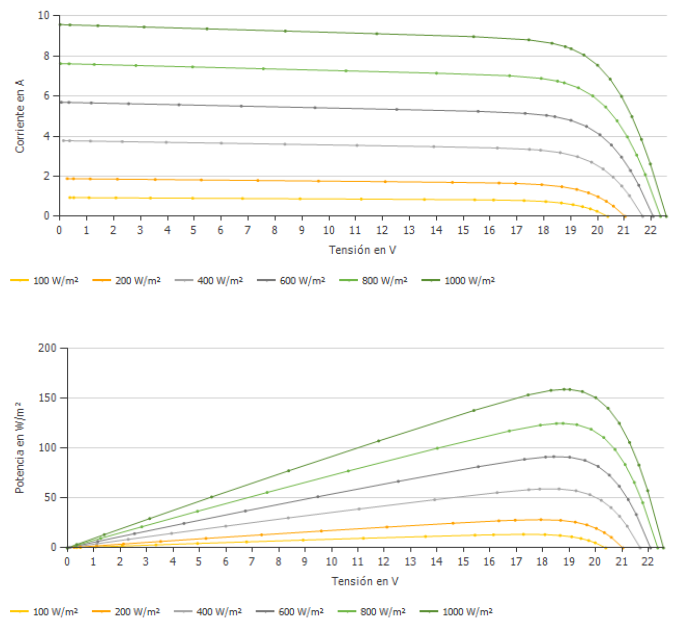
| | | 140S | 150S | 160S |
|----------------------------|------|----------|--------|--------|
| Maximum power (W) | Pmax | 140 | 150 | 160 |
| Power Output Tolerance (%) | | -3 to 3% | | |
| Maximum Power Voltage (V) | Vmpp | 18.00 | 18.61 | 18.89 |
| Maximum Power Current (A) | Imp | 8.00 | 8.06 | 8.47 |
| Open Circuit Voltage (V) | Voc | 22.00 | 22.33 | 22.67 |
| Short Circuit Current (A) | Isc | 9 | 9.10 | 9.57 |
| Module Efficiency (%) | | 17.00% | 18.00% | 19.16% |

* At Standard Conditions (STC) Irradiance 1000 watt/m², spectrum AM 1,5 at a cell temperature of 25°C

System Integrated Parameters

| | |
|-----------------------------|--|
| Maximum System Voltage SCII | 1000 VDC (UL1000V) |
| Maximum Reverse Current | Do not apply external voltages larger than Voc to the module |
| Operating Temperature | -40~+85°C |
| Max Series Fuse Rating | 15A |

IU and PU Curve



Physical Characteristics

| | |
|--------------------------|---|
| Module Dimension (L×W×H) | 1482x680x35mm Code: PV30044 - 150S |
| Weight | 12 kg |
| J-Box | IP65 or IP67 rated, 3/6 diodes |
| Connector | MC4 or MC4 Compatible |
| Glass | 3.2mm (0.13 in), High Transmission, AR Coated Tempered Glass |
| Cable | 4 mm ² PV cable, 1000mm/1200mm |
| Frame | Silver Anodized Aluminum Alloy |

Packing Configuration

| | |
|-------------------------------|-------------------|
| Modules Per Pallet | 26 |
| Pallet Per 40' HQ Container | 22 (572 pcs) |
| Packing Box Dimension (L×W×H) | 2000×1150×1040 mm |
| Packing Orientation | Side |

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Zytech Solar reserves the right to change specifications without notice