

# ZT Series Monocrystalline

Solar Module

90S



## Efficiency

High Module Conversion Efficiencies using two 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

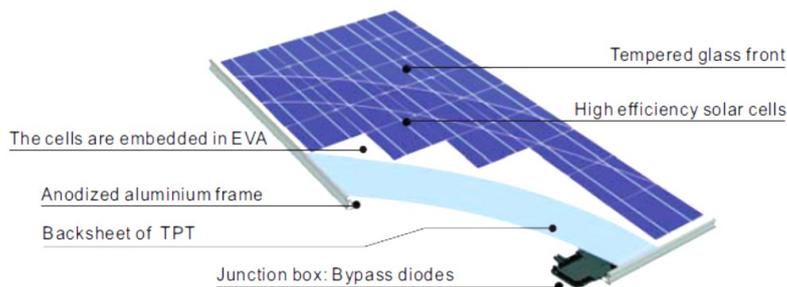
Strict quality control guarantees higher average power output according to tolerance -3% to +3%

## 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](http://www.zytechsolar.com)

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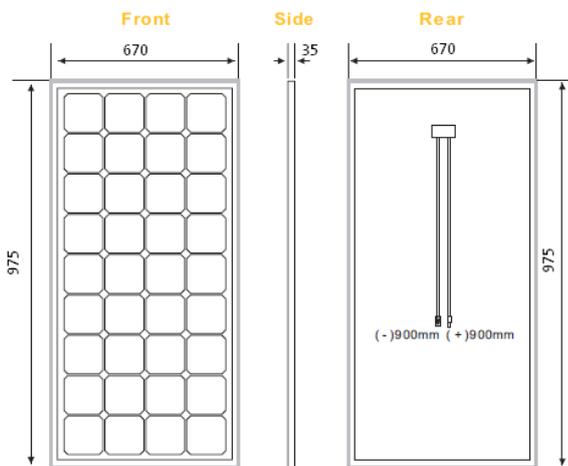
| Cell Data         |                         |
|-------------------|-------------------------|
| Technology        | Monocrystalline Silicon |
| Number Per Module | 36                      |
| Dimension         | 125 × 125mm             |
| Orientation       | 4 x9                    |

| 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  |

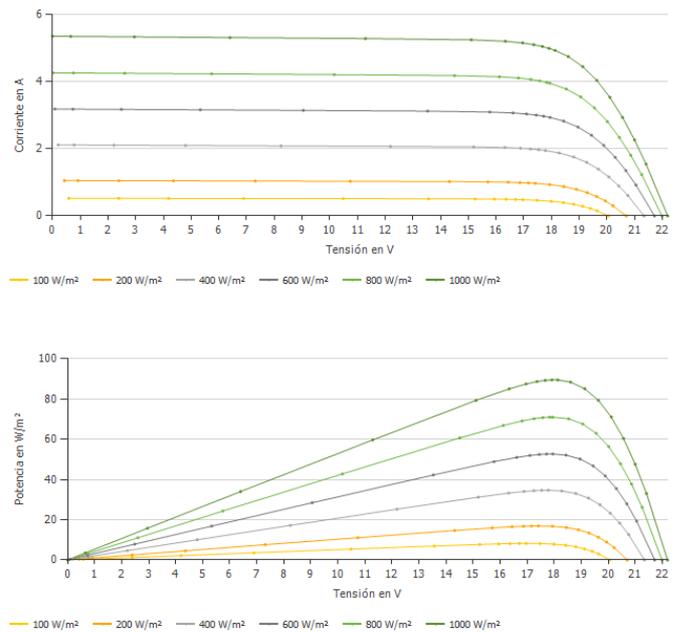
| Electrical Data (STC)      | ZT 90S |            |
|----------------------------|--------|------------|
| Maximum power (W)          | Pmax   | 90         |
| Power Output Tolerance (%) |        | -3% to +3% |
| Maximum Power Voltage (V)  | Vmpp   | 17.50      |
| Maximum Power Current (A)  | Imp    | 5.14       |
| Open Circuit Voltage (V)   | Voc    | 21.60      |
| Short Circuit Current (A)  | Isc    | 5.81       |
| Module Efficiency (%)      |        | 15.40%     |

\* At Standard Conditions (STC) Irradiance 1000 watt/m<sup>2</sup>, 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) | 975x670x35mm Code: PV30030 - ZT90S                            |
| Weight                   | 7.8 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 <sup>2</sup> 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\*