

# ZT Series Monocrystalline

Solar Module

140S/150S/160S



## Efficiency

High Module Conversion Efficiencies utilizing 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

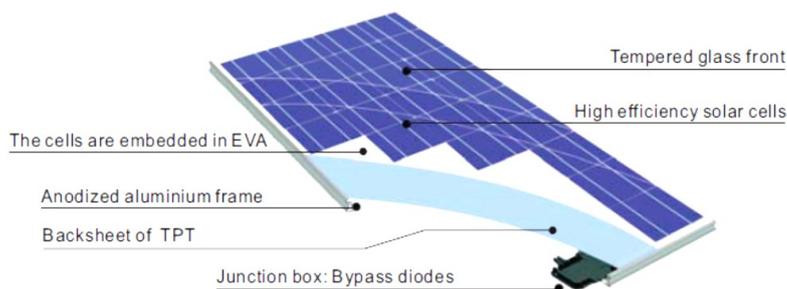
Strict quality control guarantees higher average power output according to tolerance -3% to +3%

## 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	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)

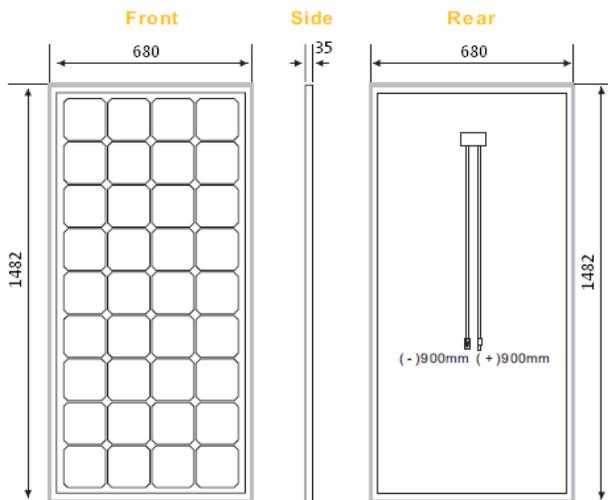
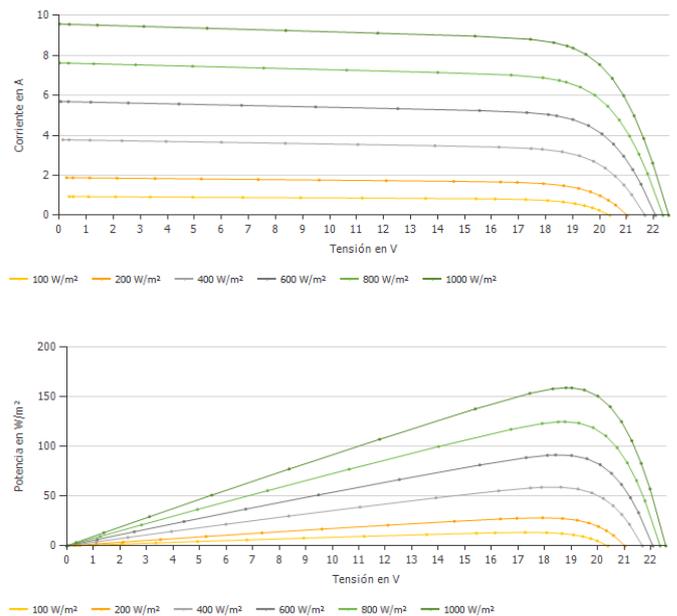
		140S	150S	160S
Maximum power (W)	Pmax	140	150	160
Power Output Tolerance (%)		-3 to 3%		
Maximum Power Voltage (V)	Vmpp	18.00	18.61	18.89
Maximum Power Current (A)	Imp	8.00	8.06	8.47
Open Circuit Voltage (V)	Voc	22.00	22.33	22.67
Short Circuit Current (A)	Isc	9	9.10	9.57
Module Efficiency (%)		17.00%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

\* At Standard Conditions (STC) Irradiance 1000 watt/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)	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 <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\*