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Solar Panel Guide Specification Data Sheet

Zytech Solar

ZT90S

ZT90S

Also available on the web at
EnergyPal.com/zytech-solar-solar-panels/zt90s

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

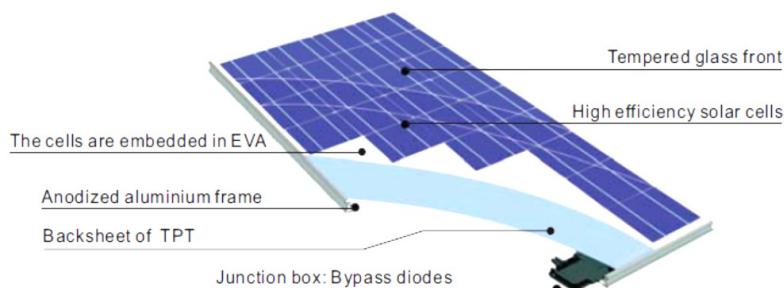
Strict quality control guarantees higher average power output according to tolerance -3% to +3%

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

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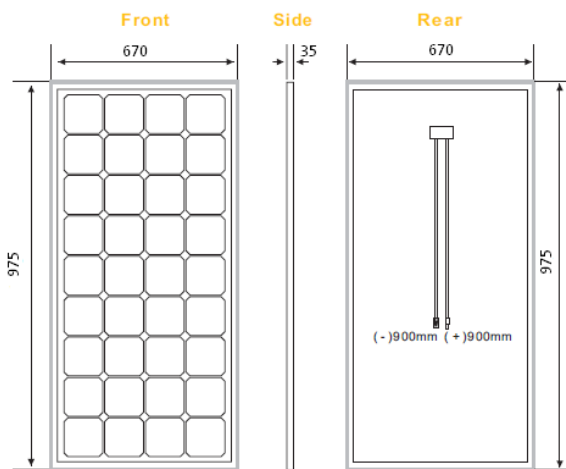
Cell Data	
Technology	Monocrystalline Silicon
Number Per Module	36
Dimension	125 × 125mm
Orientation	4 x9

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

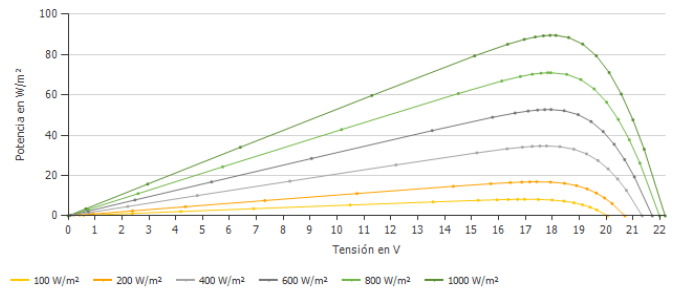
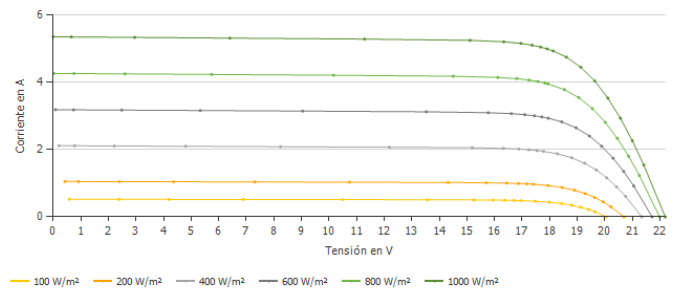
Electrical Data (STC)	ZT 90S	
Maximum power (W)	Pmax	90
Power Output Tolerance (%)		-3% to +3%
Maximum Power Voltage (V)	Vmpp	17.50
Maximum Power Current (A)	Impp	5.14
Open Circuit Voltage (V)	Voc	21.60
Short Circuit Current (A)	Isc	5.81
Module Efficiency (%)		15.40%

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