

## CHN280-72P Polycrystalline Silicon Solar Panel

### EFFICIENCY

- ✓ Low voltage-temperature coefficient allows higher Power output at high-temperature condition
- ✓ High efficient, high reliable solar cells ensure our Product meets output stability.

### MATERIALS

- ✓ Advanced EVA encapsulation system with Triple-layer back sheet meets the most stringent safety requirements for high-voltage Operation.
- ✓ The sturdy, anodized aluminium frame allows The modules to be mounted on a variety of standard Racking systems to withstand harshest of European conditions
- ✓ Ultra reliable bypass diodes prevent damage through Overheating due to shaded or defective cells.
- ✓ Innovative, environmentally friendly packing method Using pile-edges insures modules arrive in perfect Condition.
- ✓ New frame design incorporating Drainage holes, with more grounding holes, provide Flexible installation and use



### BENEFITS

- ✓ Manufactured IEC61215, IEC61730, ISO 9001:2008 MCS, TUV, CE
- ✓ High efficiency, high safety, high reliability
- ✓ Output power tolerance of **-3%+3 %**
- ✓ 10 years Fully Backed UK Insurance Product Warranty.
- ✓ Standard 25-years Limited warranty on Power output, 5-years Product Warranty. Limited warranty on materials and workmanship
- ✓ Container load: 560 pcs on 28 pallets in 40' container and 240 pcs on 12 pallets in 20' container.

### MC4 Compatible



### NOTE

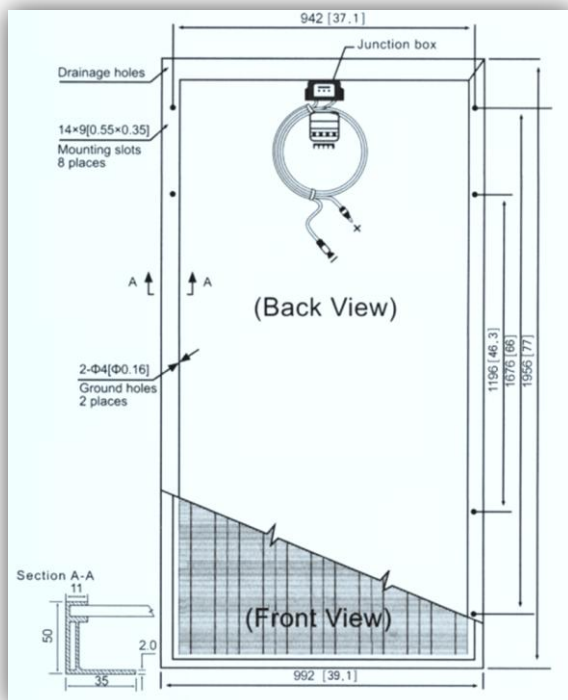
This publication summarizes product warranty and specifications, which are subject to change without notice, additional information may be found on our web site: [www.solareuropa.co.uk](http://www.solareuropa.co.uk)



### Module Characteristics:

Note: the specifications are obtained under the Standard Test Conditions (STC): 1000W/ m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25Degrees C

Specification		Module
Model Characteristics		CHN280-72P
Open Circuit Voltage [VOC]		44.50V
Optimum Operating Voltage [VMP]		36.40V
Short Circuit Current [ISC]		8.55A
Optimum Operating Current [IMP]		7.67A
Maximum Power at STC (pm)		280W
Cell		Polycrystalline Silicon Solar Cells 156mm x 156mm
No Of Cells & Connections		72(6x12)
Dimensions of Module(mm)		1950x990x50
Weight		23kg
Limits		-40 to +85Degrees C
Operating Temperature		
Maximum Operating Temperature		1000 V DC
Temperature & Coefficients		45 Degrees C + - 2 Degrees C
NOCT (nominal operating cell temperature)		
Current Temperature Coefficient	% / k	0.06 + - 0.01
Voltage Temperature Coefficient	Mv / k	-(155 + - 10)
Power Temperature Coefficient	% / k	-(0.5 + - 0.05)
Output		
Type of Output Terminal		Junction Box
Cable		LAPP(4.0mm <sup>2</sup> )
Symmetrical Length		900mm
Connection		Type 1V



### Packaging Method for Bulk Order

