

### CHN140-60M Monocrystalline 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.

#### NOTE

This publication summarizes product warranty and specifications, which are subject to change without notice, additional information may be found on our web site: <a href="https://www.solareuropa.co.uk">www.solareuropa.co.uk</a>





#### MC4 Compatible





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No. KM 561593	
The British Standards Institution Aveal	iv prests to
Solar Europa Ltd Solar House 1 The Cateway Fryers Way Wakafiald Washfald With Yorkshire With 91J United Kingdom	
in respect of	
Crystalline silicon terrestrial pho	tovoltaic (PV) modules
Annes in this Licence shall have the col	n respect of the Product(s) detailed on this Licence provided at or trans
David W. Ford, Executive Director, Her	
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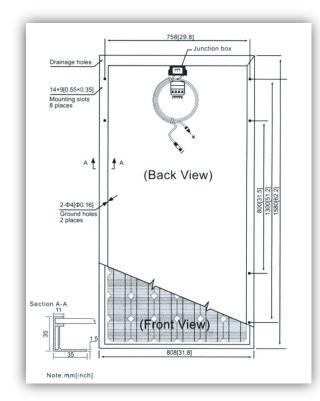


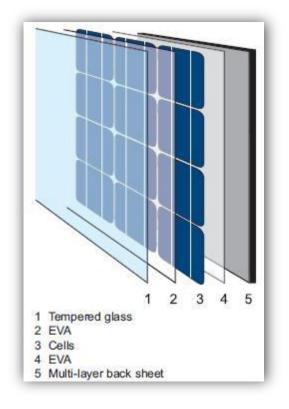
Solar House, 1 The Gateway, Wakefield West Yorkshire WF5 9TJ U.K

# **Module Characteristics:**

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

Specification	Module		
Model Characteristics	CHN140-60M		
Open Circuit Voltage [VOC]	36.80V		
Optimum Operating Voltage [VMP]	30.20V		
Short Circuit Current [ISC]	5.03A		
Optimum Operating Current [IMP]	4.64A		
Maximum Power at STC (pm)	140W		
	Monocrystalline Silicon Solar Cells		
Cell	125mm x 125mm		
No Of Cells & Connections	60(6x10)		
Dimensions of Module(mm)	1320x808x30		
Weight	13.5kg		
Limits			
Operating Temperature	-40 to +85Degrees C		
Maximum Operating Temperature	1000 V DC		
Temperature & Coefficients			
NOCT (nominal operating cell temperature)	45 Degrees C + - 2 Degrees C		
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



