

## CHN205-96M 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.

### MC4 Compatible



### NOTE

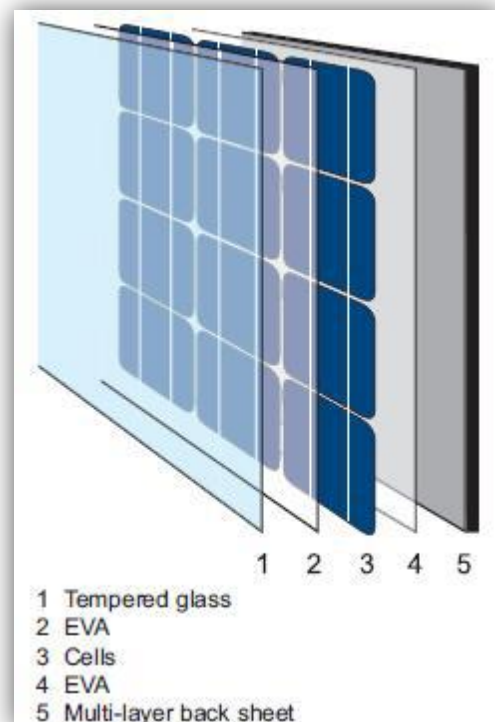
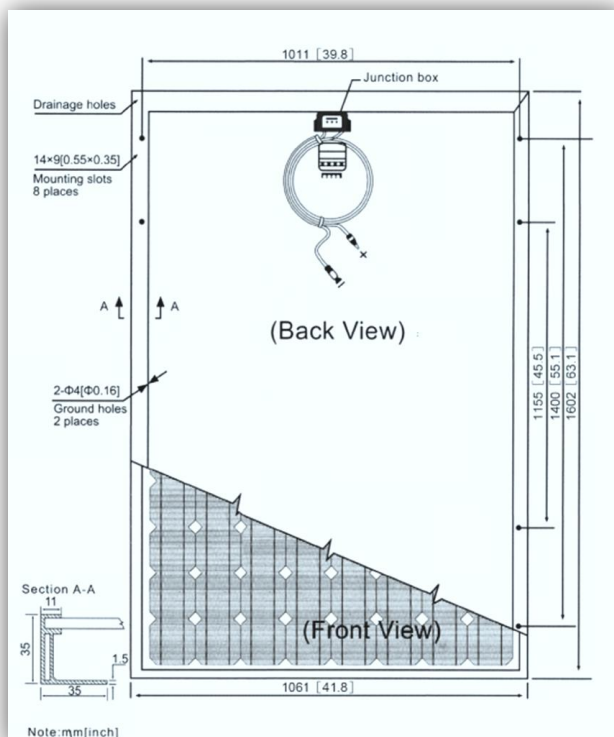
This publication summarizes product warranty and specifications, which are subject to change without notice, additional information may be found on our web site: [www.solareuropa.co.uk](http://www.solareuropa.co.uk)



### 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   |
|---|--|
| <b>Model Characteristics</b>              | <b>CHN205-96M</b>  |
| Open Circuit Voltage [VOC]                | 57.60V   |
| Optimum Operating Voltage [VMP]           | 46.20V   |
| Short Circuit Current [ISC]               | 4.80A  |
| Optimum Operating Current [IMP]           | 4.43A  |
| Maximum Power at STC (pm)                 | 205W   |
| <b>Cell</b>                               | <b>Monocrystalline Silicon Solar Cells<br/>125mm x 125mm</b> |
| No Of Cells & Connections                 | 96(8x12)   |
| Dimensions of Module(mm)                  | 1580x1062x50   |
| Weight                                    | 20kg   |
| <b>Limits</b>                             |  |
| Operating Temperature                     | -40 to +85Degrees C  |
| Maximum Operating Temperature             | 1000 V DC  |
| <b>Temperature &amp; Coefficients</b>     |  |
| 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)                                      |
| <b>Output</b>                             |  |
| Type of Output Terminal                   | Junction Box   |
| Cable                                     | LAPP(4.0mm <sup>2</sup> )                                    |
| Symmetrical Length                        | 900mm  |
| Connection                                | Type 1V  |



### **Packaging Method for Bulk Order**

