

CHN190-54P 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



Module Characteristics:

Note: the specifications are obtained under the Standard Test Conditions (STC): 1000W/ m² solar irradiance, 1.5 Air Mass, and cell temperature of 25Degrees C

Specification		Module
Model Characteristics		CHN190-54P
Open Circuit Voltage [VOC]		32.40V
Optimum Operating Voltage [VMP]		26.30V
Short Circuit Current [ISC]		8.00A
Optimum Operating Current [IMP]		7.22A
Maximum Power at STC (pm)		190W
Cell		Polycrystalline Silicon Solar Cells 156mm x 156mm
No Of Cells & Connections		54(6x9)
Dimensions of Module(mm)		1480x990x40
Weight		16.8kg
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 -(115 + - 10)
Power Temperature Coefficient		% / k -(0.5 + - 0.05)
Output		
Type of Output Terminal		Junction Box
Cable		LAPP(4.0mm ²)
Symmetrical Length		900mm
Connection		Type 1V

Packaging Method for Bulk Order

