SOLAR MODULES

SOLAR MODULE SHARP 210 WATTS ND-F210A1

MULTI-CRYSTALLINE SILICON PHOTOVOLTAIC MODULE WITH 130W MAXIMUM POWER

GENERAL DESCRIPTION

SHARP World's Largest Manufacturars Of Solar Cells

SHARP ND-F210A1 photovoltaic module is designed for large electrical power requirements. Based on the technology of crystal silicon solar cells cultivated for over 35 years, this module has superb durability to withstand rigorous operating conditions and is suitable for grid connected systems.

FEATURES

- High-power module (210W) using 125mm square multi - crystal silicon solar cells with 12.6% module conversion efficiency.
- Photovoltaic module with bypass diode minimizes the power drop caused by shade. Anti Reflection coating and BSF (Back Surface Field) structure to improve cell conversion efficiency: 14%.
- Using white tempered glass, EVA resin,and a weatherproof film along with an aluminum frame for extended outdoor use.
- DC 12V system5 Output terminal: Lead wire with waterproof connector

APPLICATION

- Grid connected residential systems
- Office buildings
- Solar power stations
- Solar villages
- Villas, mountain cottages
- Pumps
- Lighting equipment
- Traffic signs
- Radio relay stations
- Beacons
- Telemeter systems
- Telecommunication systems

SPECIFICATION

MODEL	**ND-F210A1**
Power (Typical Watt)	210 W
Performance Standard	IEC61215
Safety Standard	IEC61730
Cell Type	156.5 mm / Poly
Number of Cells	60
Miximum Power	210 W
Open Circuit Voltage (Voc)	36.6 V
Short Circuit Current (Isc)	7.68 A
Maximum Power Voltage (Vpm)	30.1 V
Maximum Power Current (Ipm)	6.98 A
MOdule Effeiency	12.79 %
Dimension L x W x D	1652 x 994 x 46 mm
Weight	21.0 Kg
Maximum System Voltage	1000V

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