



# SOLAR MODULES



## SHARP MULTY CRYSTALLINE SILICON PV MODULES NE SERIES - NE-080T1J

### GENERAL DESCRIPTION

**SHARP NE-080T1J** 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 (80W) using 125mm square multi-crystal silicon solar cells with 12.6% module conversion efficiency.
- \* Photo voltaic module with bypass diode minimizes the power drop caused by shade. AntiReflection coating and BSF (Back Surface Field) structure to improve cell conversion efficiency: 14%.
- \* Using white tempered glass, EVA resin, and a weather proof film along with an aluminum frame for extended outdoor use.
- \* DC 12V system 5 Output terminal: Lead wire with waterproof connector

### APPLICATION

- Grid connected residential systems
- Office buildings
- Solar power stations
- Solar villages
- Villas, mountain cottages
- Pumps



ELECTRICAL SPECIFICATIONS	NE-080T1J
Power (Typical Watt)	80 Watts
Performance Standard	IEC 61646
Safety Standard	IEC 61730
Cell Type	Poly
Number of Cells	36
Maximum Power	80 Watts
Open Circuite Voltage (Voc)	21.6 V
short Circuit Current (Isc)	5.15 A
Maximum Power Voltage (Vpm)	17.3 V
Maximum Power Current (Ipm)	4.63 A
Module Efficiency	12.11 %
Dimension L x W x D	1214 x 545 x 35 mm
Weight	9.0 Kg
Maximum System Voltage	600 V

\* Dimensions may change subjected to solar cell size.  
 \* Errors expected and possible alterations without prior notice.

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