



Solarmodules



Solarmodules Sharp

NE-80E2E / ND-L3E6ET

Sharp's photovoltaic modules offer industry-leading performance, durability and reliability for a variety of electrical power requirements. Using breakthrough technology perfected by Sharp's nearly 45 years of research and development, these modules are a textured cell surface to reduce reflection of sunlight and BSF (Black Surface Field) structure to improve conversion efficiency. An anti-reflective coating provides a uniform blue color and increases the absorption of light in all weather conditions.

Common applications include cabins, solar power stations, pumps, beacons and lighting equipment. Designed to withstand rigorous weather conditions, lead wire with waterproof connector is also provided for easy electrical connections in the field, making Sharp's modules the perfect combination of advanced technology and reliability.

Features

- High-power module using 155.5 mm (123 W), 125.5 mm (80 W) square multi-crystal silicon solar cells
- Bypass diode minimizes the power drop caused by shade
- Water white, tempered glass, EVA laminate, plus aluminium frame for extended outdoor use
- Lead wire with waterproof connector
- Nominal 12 VDC output for battery charging applications
- UL Listings: UL 1703, cUL
- Sharp modules are manufactured in ISO 9001 certified facilities
- **25 year limited warranty on power output
- *20 year limited warranty on power output

SH-No.:	100001	100000
Technical Data	NE-80E2E*	ND-L3E6ET**
Max. Power	80 W	123 W
Cell	Multi-crystal silicon	
No. of cells	36	
Open Circuit Voltage (Voc)	21.6 V	21.3 V
Max. Power Voltage (Vmpp)	17.3 V	17.2 V
Short Circuit Current (Isc)	5.15 A	8.1 A
Max. Power Current (Impp)	4.63 A	7.16 A
Type of Output Terminal	Lead wire with waterproof connector	
Dimensions (H x W x D)	1200 x 530 x 35	1499 x 662 x 46 mm
Weight	8.6 kg	14.0 kg

(STC) Standard Test Conditions: 25°C, 1 kW/m², AM 1.5