

# 9V 300mA Epoxy Encapsulated Solar Panel

This 9V 300mA epoxy solar panel is designed for various low-power applications. It features durable epoxy encapsulation for protection against environmental factors and includes pre-attached wires and a connector for easy integration.



## Overview

### Compact Epoxy Solar Solution

This high-efficiency polycrystalline solar panel is designed for diverse low-power applications, featuring durable epoxy encapsulation for enhanced environmental protection. With a 9V output and a compact footprint, it is an ideal power source for DIY projects, educational kits, and small electronic devices. The unit comes ready for integration, ensuring reliable performance in standard sunlight conditions.

## Electrical Specifications

### Max Output Power

**2.7 W**

Max Output Power

**9 V**

Max Power Voltage

**300 mA**

Max Power Current

Open Circuit Voltage (Voc)	10.8 V
Short Circuit Current (Isc)	330 mA
Power Tolerance	+/-3%

## Physical Properties

Dimensions	114 x 177 mm
Size Tolerance	-0.3 mm

## Construction & Quality

Cell Type	Polycrystalline
Efficiency	16 %
Product Structure	Epoxy Resin + Cell + PCB

## Reliability & Warranty

Life Span	1-2 years
Warranty Period	6 months

## Testing Conditions

### Standard Test Conditions (STC)

Parameter	Value
Irradiance	1000W <sub>i</sub>
Temperature	25°C
Air Mass	AM 1.5