

6V/12V 12A Smart Battery Charger

This smart battery charger is compatible with 6V and 12V batteries, delivering a charging current of up to 12A. Its intelligent charging algorithm optimizes the charging process based on the battery's condition, preventing overcharging and extending battery life.



Overview

Intelligent Battery Charging Solution

This microprocessor-controlled smart battery charger utilizes high-frequency technology to provide efficient, energy-saving charging without damaging your batteries. Featuring a comprehensive 9-step smart charging cycle, it supports a wide range of lead-acid, AGM, GEL, and LiFePO4 batteries. Designed for versatility and safety, it includes multiple protection features such as reverse polarity, short circuit, and over-temperature protection, making it an ideal maintenance tool for vehicles ranging from motorcycles to RVs.

Performance Metrics

Charging Current Options

- Auto
- 2A
- 4A
- 6A
- 12A

Key Performance Metrics

12 A

Max Current

1.5 V

Min Start-up Voltage

300 AH

Max Maintenance Capacity

Technical Specifications

Model	RK12000
Input Voltage	AC 110V 60Hz / AC 220V 50Hz
Charging Voltages	12V / 24V
Compatible Battery Types	Lead-acid, AGM, GEL, LiFePO4

Environmental & Safety

Certifications

CE • GS • ROHS

Safety Features

- Reverse polarity protection
- Short circuit protection
- Overcharge protection
- Overvoltage protection
- Over temperature protection
- Spark proof

Operating Temperature

-15°C to +35°C