

6V/12V 4A Smart Battery Charger

This smart battery charger is designed for both 6V and 12V batteries, delivering a maximum charging current of 4A. It features multiple charging modes including auto, maintenance, and reconditioning, and supports STD/AGM/GEL and Lithium battery types.



ADDITIONAL IMAGES



Product Overview

Intelligent Battery Management

The RK4000 is a microprocessor-controlled smart battery charger designed to provide efficient, multi-stage charging for a wide range of 6V and 12V batteries. With its 9-step charging cycle and intelligent analysis, it ensures optimal battery health while offering safety features like reverse polarity and over-temperature protection. This versatile unit supports various battery chemistries including lead-acid, AGM, GEL, and LiFePO4, making it an essential tool for automotive, motorcycle, and recreational vehicle maintenance.

Electrical Specifications

Input Voltage	AC 110V 60Hz / AC 220V 50Hz
Charging Voltage	7.2V (6V Battery) / 14.4V (12V Battery)
Charging Current	Auto, 2A, 4A
Low Voltage Start-up	1.5 V

Compatibility

Supported Battery Types

Lead-Acid • AGM • GEL • LiFePO4

Capacity Range	10-100Ah (Charging), up to 200Ah (Maintenance)
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Operating Conditions

Operating Temperature	-15°C to +35°C
Storage Conditions	-30°C to +70°C, 10-95% RH

Safety & Features

Protection Features

- Reverse Polarity Protection
- Short Circuit Protection
- Overcharge Protection
- Overvoltage Protection
- Over-temperature Protection
- Spark Proof

Certifications

CE, GS, RoHS