

RACC35A1W

## Description

REGO 12V 35A AC-DC Battery Charger is designed to efficiently charge a wide range of 12V battery types using an intelligent four-stage charging algorithm. It delivers stable and reliable charging performance while helping extend battery life.

Built-in electronic protections safeguard the charging process against common electrical risks. When paired with the optional BT-2 Bluetooth module, users can monitor real-time operating status, review charging data, and adjust parameters remotely via the Renogy App.

## Key Features

### ■ Multi-Type Battery Compatibility

Supports Lithium, AGM, Gel, Flooded, SLD, and user-defined batteries for flexible system setups.

### ■ Intelligent 4-Stage Charging

Utilizes a four-stage charging profile (Bulk / Absorption / Float / Equalization) to optimize charging efficiency and help prolong battery lifespan.

### ■ Comprehensive Safety Protections

Built-in protections for over-voltage, over-current, over-temperature, low-temperature, short-circuit, and reverse connection.

### ■ Clear LED Status Indicators

LEDs display charging stage, battery status, and fault notifications for quick checks.

### ■ Bluetooth Monitoring Capability

Optional BT-2 module provides real-time monitoring, data access, and parameter adjustment via the Renogy App.



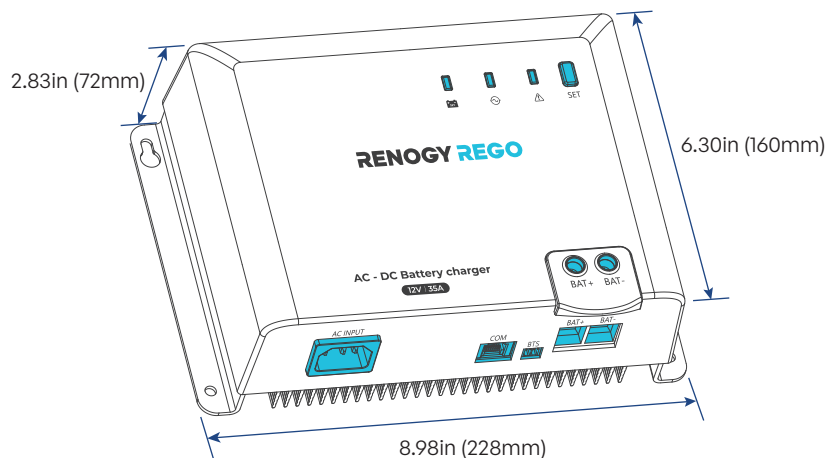
## Recommended Accessories



### BT-2 Bluetooth Module

Enables remote monitoring and control via Bluetooth with the Renogy App.

## Product Dimensions



## Technical Specifications

### Electrical Data

Model	RACC35A1W
Battery Type	AGM/SLD, GEL, FLD, LI, User
Input Voltage Range	180 to 264VAC, 45Hz to 65Hz
Max Input Current	/
Rated Charging Power	510W
Output Voltage	9 to 16VDC
Output Current	35A
Max Charging Efficiency	94%
Self Consumption	<5W

### General Data

Communication	RS485
Operating Temperature Range	-4°F to 140°F / -20 C to 60 C
Storage Temperature Range	-22°F to 176°F / -30 C to 80 C
Ingress Protection	IP32
Dimensions	8.98 x 6.3 x 2.83in / 228 x 160 x 72mm
Weight	6.61 lbs / 3kg
Cable Management	AC Cable Length: 47.24in / 1200mm, AC Cable Size: 12 AWG
Certification	CE, CA65, RCM
Warranty	3-Year
Package Contents	REGO AC-DC Battery Charger x1
	User Manual x1
	Mounting Screw x4
	Battery Temperature Sensor (3m) x1
	AC Power Cable x1

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