

Description

REGO 12/24V 30A DC-DC Charger delivers reliable charging for house and starter batteries in 12V and 24V systems. Automatic voltage detection and bidirectional charging support 12→12V, 12→24V, 24→12V, and 24→24V operation for RVs, trucks, boats, and other mobile power applications.

Integrated electronic protections safeguard against reverse polarity, overvoltage, undervoltage, overcurrent, and overtemperature, with real-time monitoring available via Bluetooth or CAN communication. The IP43-rated enclosure and global certifications facilitate safe, efficient, and durable operation in harsh environments.

Key Features

■ Intelligent Dual-Charging Mode

Automatically switches between starter battery and solar/generator inputs, prioritizing solar power for optimal house battery charging.

■ Bluetooth & CAN Monitoring

Supports real-time system data monitoring via optional Bluetooth and wired CAN communication.

■ Broad Compatibility

Works with RVs, trucks, boats, and other mobile power applications.

■ Electronic Protections

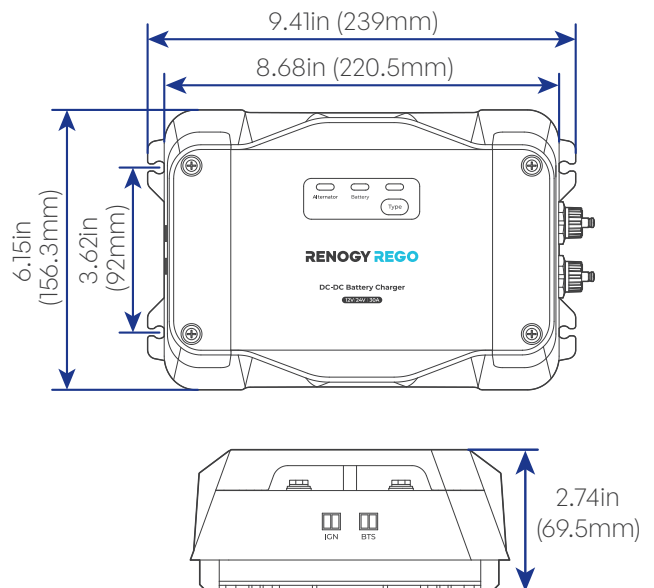
Safeguards against reverse polarity, overvoltage, undervoltage, overcurrent, and overtemperature to maintain battery health.

■ Durable Design

IP43-rated enclosure provides protection against dust and water, ensuring reliable operation in harsh environments.



Product Dimensions



Recommended Accessories



Renogy One Core (RSHGWSN-WO2W)

An all-in-one solution for local/remote energy monitoring and analysis.

Technical Specifications

Electrical Data

Model	RBC2115DS-21W
Battery Type	AGM/SLD, GEL, FLD, LI, User
System Voltage	12V/24V
Rated Charge Current	30A@12V Systems, 15A@24V Systems
Rated Charge Power	450W
Alternator Input Voltage Range	9V to 32VDC
Output Voltage Range	9V to 32VDC
Max Charging Efficiency	For 12V Auxiliary Batteries: 94%, For 24V Auxiliary Batteries: 92%
Self Consumption	<100mA

General Data

Communication	RV-C, Built-in Bluetooth, RS485
Operating Temperature	-31°F to 176°F / -35°C to 80°C (Full Rated Output up to 131°F / 55°C)
Storage Temperature	-40°F to 176°F / -40°C to 80°C
Humidity Range	0% to 95% RH (No Condensation)
Terminal Size	M6 x 20mm
Terminal Torque	13.02 lbf-in / 147.1N-cm
Cooling	Natural Cooling
Ingress Protection	IP43
Altitude	3,500m
Dimensions	9.41 x 6.15 x 2.74in / 239 x 156.3 x 69.5mm
Weight	3.72 lbs / 1.69kg
Certification	CE, R10, FCC, RCM
Warranty	5-Year
Package Contents	REGO 12V/24V 30A DC-DC Battery Charger x1
	Quick Guide x1
	Renogy Temperature Sensor x1
	Voltage Sensor x1
	Installation Screw x4
	Warranty Card x1

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