

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

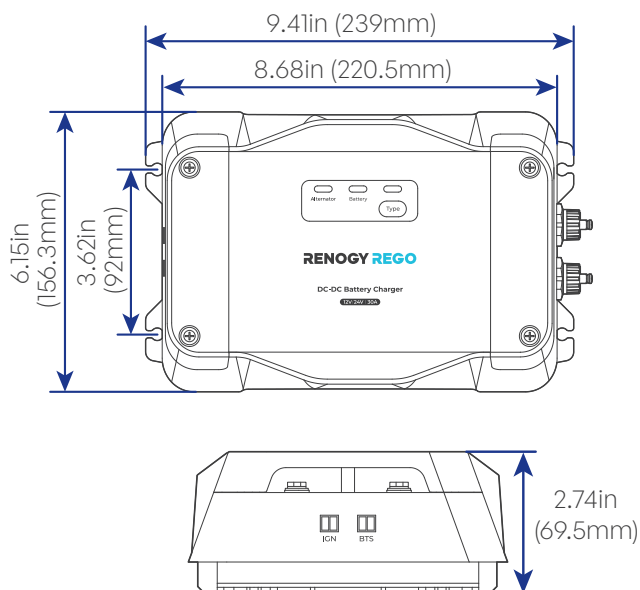
Safeguards against reverse polarity, overvoltage, undervoltage, overcurrent, and overtemperature to maintain battery health.

■ 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 Specifications

Model	RBC2115DS-21W
System Voltage	12V/24V-12V/24V
Rated Charge Power	450W
Rated Charge Current	30A@12V Systems, 15A@24V Systems
Maximum Input Voltage from Alternator	50V
Input Voltage Range	9-32V DC
Output Voltage Range	9-32V DC
Supported Battery Type	Auxiliary Battery: SLD, AGM, Flooded, Lithium, and Gel; User Mode
Charge Conversion Efficiency	For 12V Batteries: ≥94%, For 24V Batteries: ≥92%
No-Load Current Consumption	<100mA
Standby Current	<50mA
Temperature Compensation	-3mV/°C/2V
Parallel Connection	Supported

Mechanical Specifications

Grounding	Common Negative
Operating Temperature	-31°F to 176°F / -35°C to 80°C
Storage Temperature	-40°F to 176°F / -40°C to 80°C
Operating Humidity	0% to 95% RH, No Condensation
IP Rating	IP43
Communication	RV-C, Built-In Bluetooth, RS-485
Installation Method	Surface Mounting
Cooling	Natural Cooling
Noise	<30dB
Operating Altitude	≤3,500m
Dimensions (LxWxH)	9.41 x 6.15 x 2.74in / 239 x 156 x 69mm
Weight	4.41 lbs / 2.0kg
Certifications	CE, R10, FCC, RCM
Warranty	5-Year

Package Contents

Battery Temperature Sensor	Yes (x1)
Mounting Screws	Yes (x4)
Quick Guide	Yes (x1)

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