

Description

A streamlined power hub for modern caravans and motorhomes. Renogy Power Management System enables faster hybrid charging, seamless integration, and remote monitoring and control for reliable off-grid living.

Key Features

■ 4 Hybrid Charging Modes

Delivers up to 60A output when combining various power sources for maximum charging efficiency: AC+Vehicle, AC+Solar, Solar+Vehicle, and AC+Solar+Vehicle.

■ 30A MPPT Solar Charge Controller

Supports a maximum 60VDC solar input and 800W solar arrays for flexible configuration and easy future expansion.

■ 30A DC-DC Charger

Compatible with smart and traditional alternators to fully charge house batteries while driving. This smart charger also provides a float charge to maintain starter batteries.

■ 35A AC-DC Charger and Distribution Blocks

Accepts any voltage from 100VAC to 240VAC globally and provides 14 fused output circuits. Precisely manage DC-powered appliances with 7 switchable circuits, including 3 dedicated for smoothly dimmable LED lighting.

■ Easy Access to Power Data

Connect your Charging System to Renogy ONE Core via Bluetooth or CAN. View real-time data on Renogy App, and access cloud-based information from anywhere with Wi-Fi*.

*Renogy ONE Core and the internet are required.

■ Drop-in Replacement

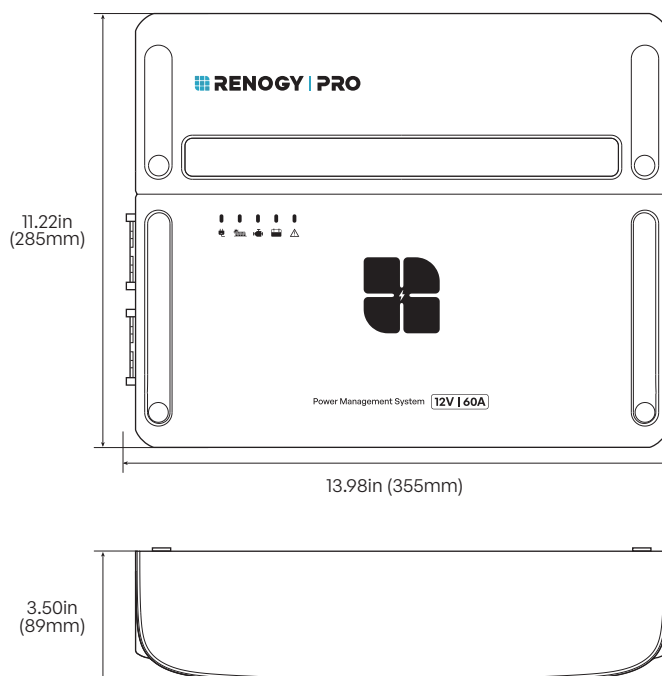
This pre-wired Power Management System measures 13.98 x 11.22 x 3.50in (355 x 285 x 89mm) and is designed as a perfect drop-in replacement for outdated systems. Save time on wiring and sourcing components.

■ Seamless Integration

Easily customizable for OEMs and clients to integrate with Renogy and third-party devices. Enjoy smooth operation and intuitive power management across your entire system.



Product Dimensions



Technical Specifications

AC Charging (AC-DC)

AC Input	100-240VAC ($\pm 10\%$), 50/60Hz
DC Output Voltage	9-16VDC
Charging Current	35A
Battery Type	AGM, GEL, FLD, LI (Default), Custom (Set charging parameters to match battery types.)

On-Board Charging (DC-DC)

System Voltage	12-12V
Charging Current	30A
Starter Battery Support	Yes

MPPT Solar Charging

Charging Current	30A
Max. PV Input Voltage	60V
Max. PV Input Power	800W

Hybrid Charging Modes

Max. Charging Current	60A
Charging Priority	AC+Solar (AC Priority)
	AC+Vehicle (AC Priority)
	Solar+Vehicle (Solar Priority)
	AC+Solar+Vehicle (AC+Solar Priority)

Distribution Blocks

Fused Output Quantity	14 (Including 7 Switchable Circuits)
Rated Current	15A (x14)
Output Terminal	Tapping Terminal

Battery Protection

Low Voltage Disconnect (LVD)	Yes
Battery Switch	Local and Remote

Monitor and Control

LED Indicators	Yes
Master Load Switch	Yes
Relay Load Switch	7
Tank Level Monitoring	4 Tanks
Communication	CAN Bus and Bluetooth

Physical Specifications

Dimensions	13.98 x 11.22 x 3.50in / 355 x 285 x 89mm
Protection Rating	IP20
Certifications	CE, R10, SAA, RCM, RoHS
Warranty	5-Year

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These data sheets can be found in the downloads section of our website, www.renogy.com.