

DM-1 Data Module TM

RENOGY Data Module
for Solar Charge Controllers



 **RENOGY**

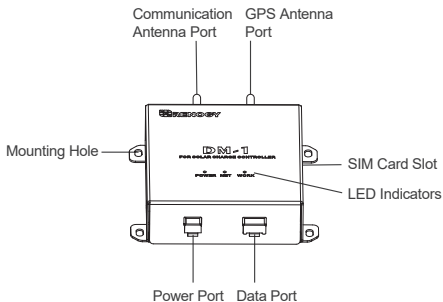
General Information

The Renogy DM-1 is a new generation of data module for Renogy solar charge controllers. The DM-1 provides wireless monitoring of the system data and sets up operating parameters through smart phone App.

Key Features

- Wirelessly monitor and control compatible solar charge controllers
- Connect to user-friendly smartphone App to keep track of your system
- Embedded exclusive wireless module with high efficiency and low energy consumption, offers fast and uninterrupted communication
- 4G antenna for fast data communication, GPS antenna for precise locating
- RJ12 data communication port

Identification of Parts



Additional Components

Additional components included in the package:

- Communication Antenna



- GPS Antenna



- Power Cable



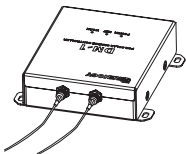
- RJ12 Data Cable



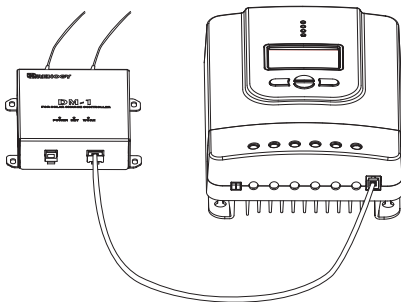
Operation

Connection

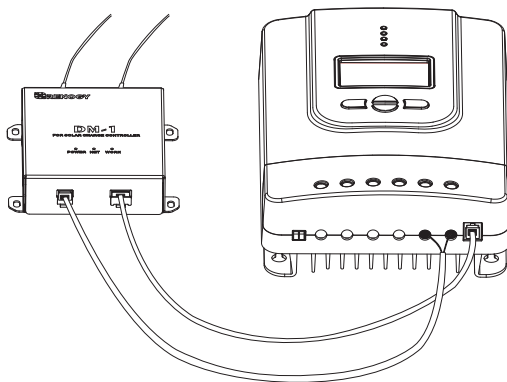
Step 1 Connect communication antenna and GPS antenna to the ports.



Step 2 Connect RJ12 data cable to charge controller.



Step 3 Connect power cable to load terminals of the charge controller. If the controller doesn't have load terminals, alternatively connect power cable to battery terminals. However, for the best performance, it is suggested to connect power cable to load terminals.



Technical Specifications

Communication status indicator

LED Indicator	Status	Note
Power	On	Power on
Net	Flashing	Working
Work	Flashing	Working

Compatible Models

Compatible Models	All Renogy Controllers with RJ12 port
Communication Protocol	RS232
Port Type	RJ12

Description	Parameter
Model	DM-1
Input Voltage Range	9V to 100V DC
Input Current	<60mA (DC 12V)
Operating Temperature	-20 °C ~ +70 °C
Operating Humidity	20% ~ 95%
Battery Capacity	3.7V / 280mA
Communication Protocol	RS232
Port Type	RJ12
Power Cable Length	2 m (6.6 ft)
RJ12 Data Cable Length	1.5 m (4.9 ft)
Communication Antenna Length	2 m (6.6 ft)
GPS Antenna Length	2 m (6.6 ft)
Dimensions	94 x 100 x 25 mm (3.70 x 3.94 x 0.98 in)
Weight	0.21kg(0.46lb)
Protection Grade	IP30

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2. For ios version, simply search "Renogy" in App store to download.



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