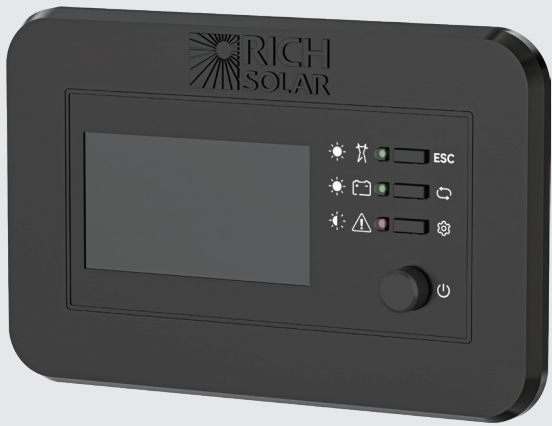




REMOTE METER

User Manual



MODEL: RS-RM03
THIS MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS FOR REMOTE METER. PLEASE READ THIS MANUAL AND FOLLOW THE INSTRUCTIONS EXACTLY.

LCD Screen

NOTE: For a complete listing and description of the icons, see the Owners Guide of the inverter or inverter/charger unit.

	AC input and output indicator.
	The wrench icon underneath a number is displayed during configuration mode.
	An error event with its corresponding number is displayed here.
	A warning event with its corresponding number is displayed here.
	The battery icon indicates remaining battery power. One bar = 1~25%, two bars = 25~50%, three bars = 50~75%, and four bars = 75~100%.
	Shows an AC output overload condition.
	The load icon is displayed if there is voltage available at the AC output.

⚡ ⚠ DANGER

HAZARD OF FIRE, ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

This NOVA Remote Panel user guide is in addition to, and incorporates by reference, the relevant product manuals for each product in the NOVA series. Before reviewing this guide you must read the relevant product manuals. Unless specified, information on safety, specifications, installation, and operation is as shown in the primary documentation received with the product. Ensure you are familiar with that information before proceeding.

Failure to follow these instructions will result in death or serious injury.

Introduction

Thank you for purchasing the NOVA Remote Panel. This user guide will help you install and use the remote panel to operate and configure the NOVA series remotely.

What's In The Box

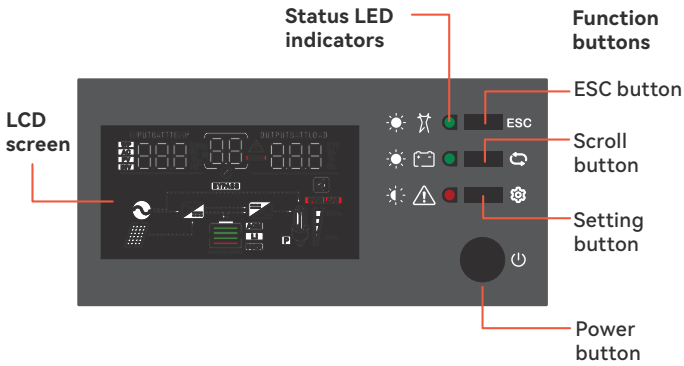
Check that you have the following items in the box before proceeding.

- the NOVA remote panel unit
- user guide
- 25-ft. 6-conductor cable kit

Installation

1. Prepare the remote panel unit and the 6-conductor COM cable kit.
2. Choose a location for the remote panel unit within reach of the COM cable and the inverter unit.
3. Make holes refer to mounting size.
4. Mount the remote panel unit.

Features



Function Buttons

	return to default screen or exit setting mode
	next screen or next selection
	to enter the setting mode or to confirm the setting
	turns the inverter unit on or standby NOTE: Only when the inverters Power button is off

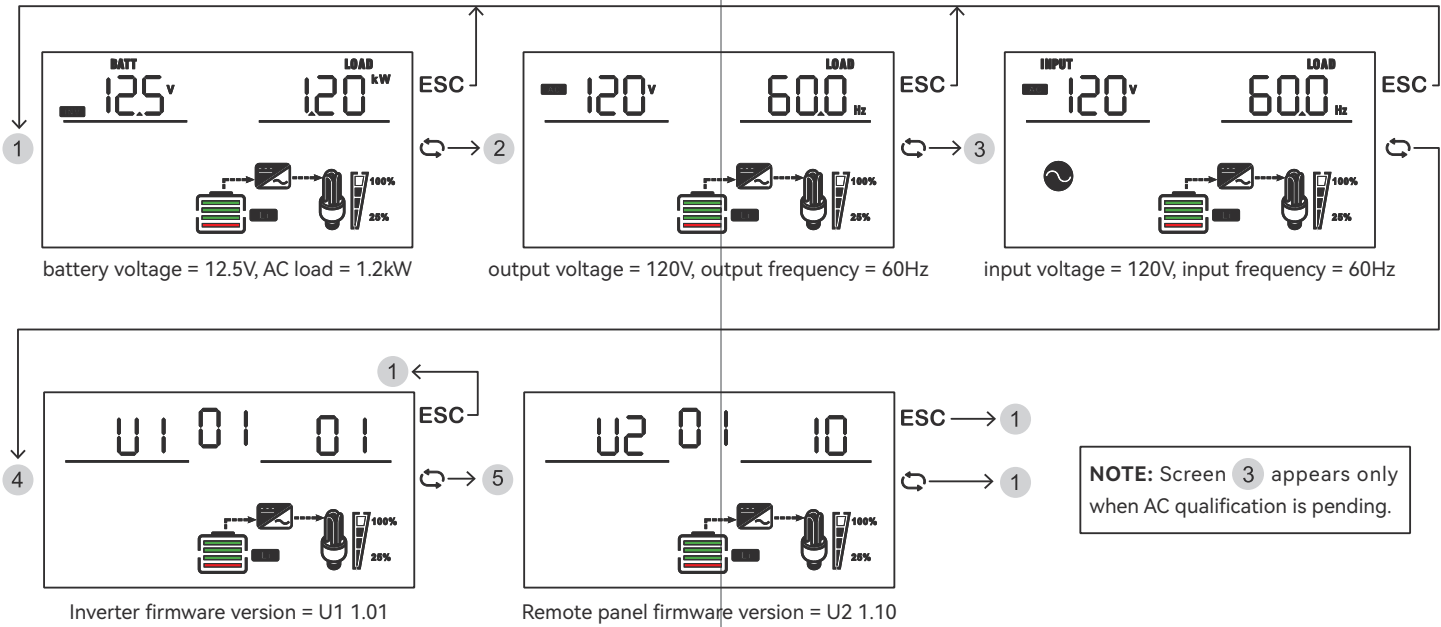
NOTE: Briefly pressing any function button activates backlight illumination. After 60 seconds of inactivity, backlight illumination turns off.

Status LED Indicators

	Indicates grid mode in which shore power is available and passing through to the loads and charging the battery.
	Indicates battery mode (inverter mode) in which the inverter is running and supplying power to the loads from the battery.
	Indicates error or fault mode and is accompanied by an error code displayed on the LCD screen.
	Indicates a warning condition and is accompanied by an error code and a sounding alarm.

Viewing Information During Battery Mode

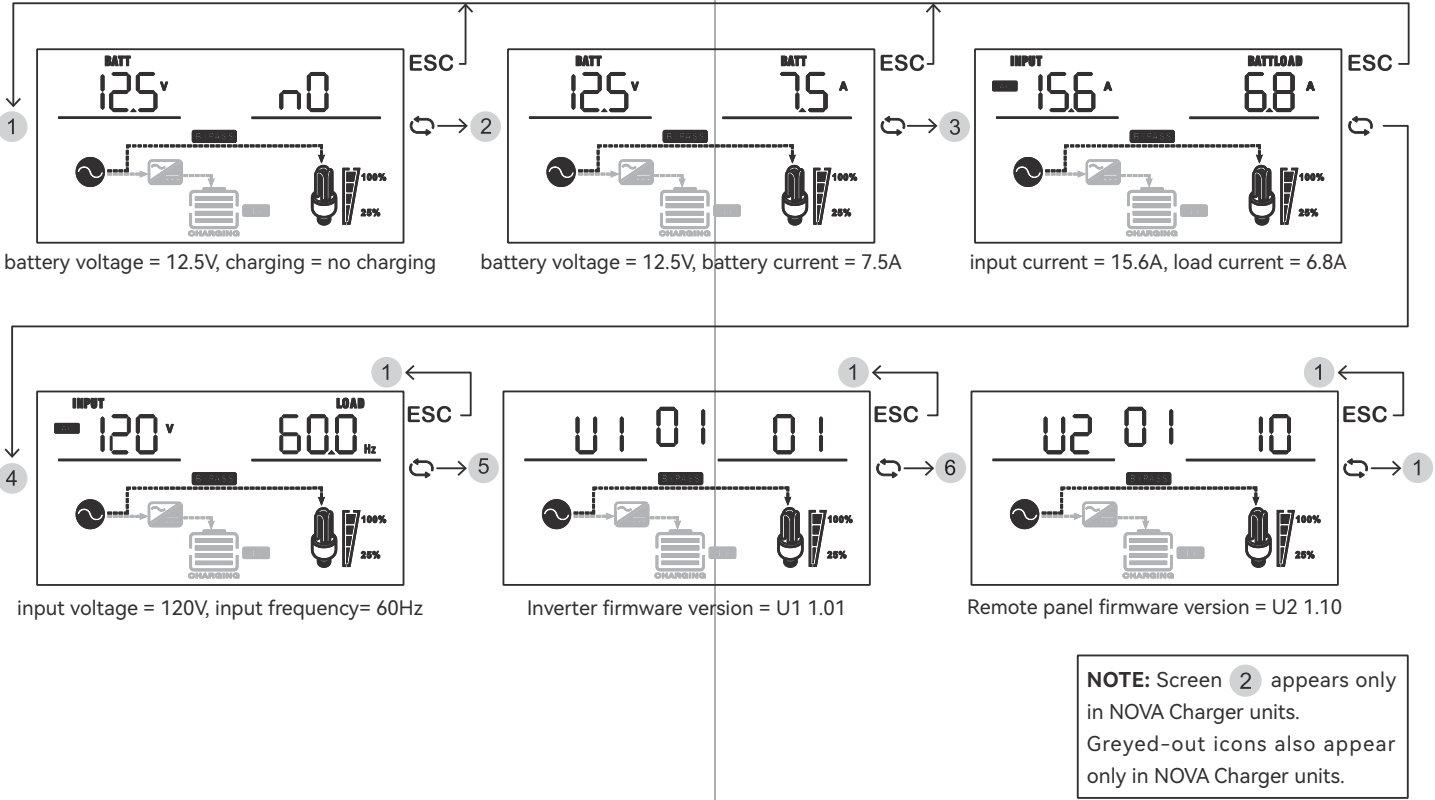
Press scroll [↻] to move to the next screen. Press [ESC] to return to the home screen ①.



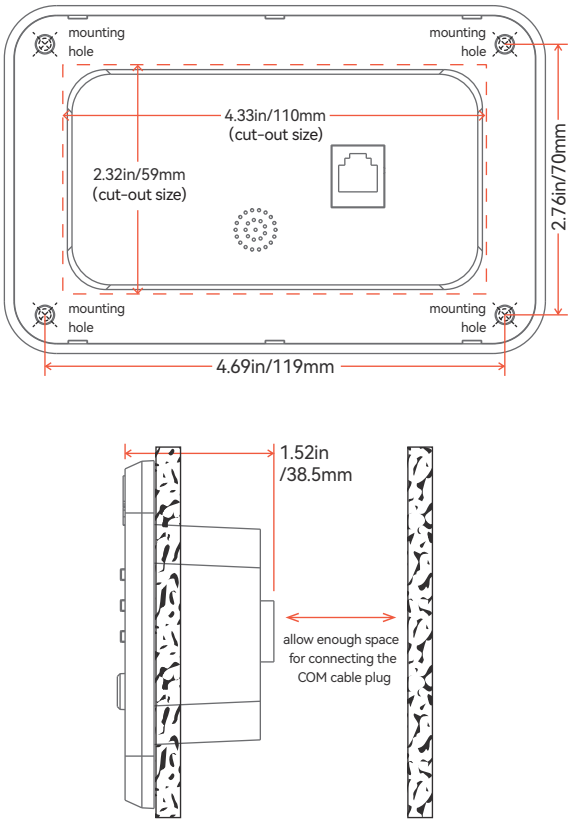
NOTE: Screen ③ appears only when AC qualification is pending.

Viewing Information During Grid Mode

Press scroll [↺] to move to the next screen. Press [ESC] to return to the home screen 1.



Mounting Size



NOTE: Ensure the inside wall is free of obstructions, such as pipes, insulation, and electrical wiring. Ensure the recess depth is more than 1.97in/50mm.

Richsolar Bluetooth Remote Panel Connection Guide

- 1. Install the Richsolar App**
Download and install the Richsolar app on a compatible Android or iOS device.
- 2. Power On the Remote Panel**
Press the ON/OFF button on the remote panel or the front of the connected inverter to turn on the Bluetooth-enabled remote panel.
- 3. Launch the App**
Open the Richsolar app on your smart device.
- 4. Enable Bluetooth in the App**
Use the Bluetooth switch in the app to turn on Bluetooth on your device. The app will begin searching for available devices.
- 5. Activate Bluetooth Pairing Mode**
On the remote panel, press and hold the Esc button to enter Bluetooth pairing mode. Two flashing horizontal lines beneath the left and right numeric displays will indicate the pairing status.
- 6. Connect to the Device**
When the app detects the Bluetooth signal, it will display the connected inverter's serial number and model (default: RS-RM03). Tap the serial number to complete pairing and access the device page to view information or adjust settings.
- 7. Disconnect When Needed**
To disconnect, simply exit the device page in the app. The Bluetooth connection will be automatically terminated.

Adjusting Feature Settings

- Press and hold the [⚙️] button for three seconds to enter the feature settings mode.
 - Press the scroll [↺] button to move through the different feature settings.
 - Press the [⚙️] button to select a setting number and change its value.
 - Press the scroll [↺] button to change the value until you reach the desired value.
 - Press the [⚙️] button to confirm the change.
 - Repeat previous steps to set other feature settings.
 - Press [ESC] to exit the feature settings mode.
- NOTE:** It may take a minute for the settings to take effect on the inverter unit.

Installing the Remote Panel Unit on the Wall

- 1. Positioning & Marking**
Mounting height: 59in (1.5m) recommended.
Avoid water, heat, and obstructions.
Use a level and mark the center point.
Use the panel backplate as a template to trace the cutout and mark 4 screw holes (based on installation dimensions).
- 2. Cutting & Pre-Drilling**
Cut the wall opening with a drywall saw, allowing 2-3mm extra for adjustment.
Drill mounting holes using a bit suitable for the wall material.
- 3. Cable Connection**
Connect the 6-conductor COM cable to the RJ12 ports on both the inverter and remote panel.
Leave 4-6in (10-15cm) extra cable length for serviceability.
Secure cables with zip ties to relieve port strain.
- 4. Mounting & Securing**
Remove the front cover by pressing the release tabs.
Insert the panel and route the cable through the rear opening.
Fasten with 4 screws (not included), tightening diagonally to avoid distortion.
- 5. Final Check**
Power on and verify LED status for communication.
Ensure the panel is flush with the wall; use spacers if necessary.