

MPPT-PRO BLUETOOTH® DONGLE

User Manual

GP-MPPT-PRO-BT-1



© 2021 Go Power!

Worldwide Technical Support and Product Information gpelectric.com

Go Power! | Dometic

201-710 Redbrick Street Victoria, BC, V8T 5J3

Tel: 1.866.247.6527

82805_MANUAL_GP-MPPT-PRO-BT-1



Congratulations on purchasing your Go Power! MPPT Solar Controller Bluetooth Dongle!

Record the unit's model and serial number below. It is much easier and quicker to record this information now at the pre-installation stage.

Model Number:
Serial Number:
Date of Install:
Battery Bank Information: (size, install date, battery type)

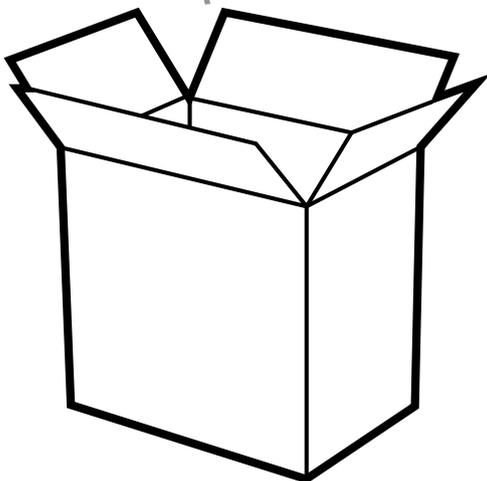


Product Packaging

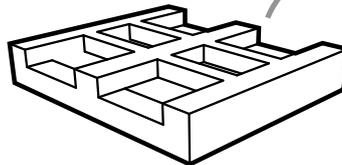
Please safely store the packing the product was delivered in or recycle the packaging components as outlined below:



Corrugated fiberboard
main box



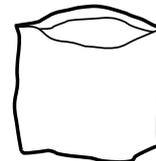
Plastic
foam protection



LDPE
Low Density
Polyethylene



Plastic
accessories bag



1. PRODUCT INFORMATION	4
1.1 MAIN FEATURES.....	4
1.2 LED STATUS.....	4
1.3 APPLICABLE TYPE.....	4
1.4 PRODUCT FEATURES	4
1.5 PRODUCT DIMENSIONS.....	5
2. SYSTEM WIRING.....	5
3. SPECIFICATIONS	6
4. GO POWER! CONNECT™.....	7
4.1 GO POWER! CONNECT™ CONNECTIVITY INSTRUCTIONS	7
4.1.1 DOWNLOAD AND INSTALLATION	7
4.1.2 BLUETOOTH® DONGLE - PAIRING AND CONNECTING	7
4.1.3 CHANGING THE BLUETOOTH PIN CODE.....	7
5. COMPATIBILITY - PHONES AND TABLETS.....	8
5.1 ANDROID DEVICES.....	8
5.2 APPLE IOS IPHONES AND IPADS	8

The GP-MPPT-PRO-BT-1 makes the GP-MPPT-PRO-60 solar controllers and Bluetooth ready to work seamlessly with the Go Power! Connect mobile app giving you the ability to wirelessly monitor you controller’s parameters setting and data view

1.1 MAIN FEATURES

1. Convenient wireless monitoring of your solar controller
2. Supports the Go Power! Connect mobile app allowing for simple set-up and plug & play functionality
3. The use of high performance, low power consumption of the bluetooth special chip
4. Adopt Bluetooth 4.0 and BLE technology, has the characteristics of rapid communication and strong anti-jamming capability
5. Does not contain external power supply, powered directly by the communication port
6. Communication distance of up to 15 meters

The MPPT-PRO-60 is only able to accomodate the Bluetooth® Dongle *OR* the remote. It will not be able to accomodate both.

1.2 LED STATUS

INDICATOR LIGHT	STATE	EXPLANATION
LINK INDICATOR LIGHT	BLINK	CONNECTED
	OFF	IDLE STATE

1.3 APPLICABLE TYPE

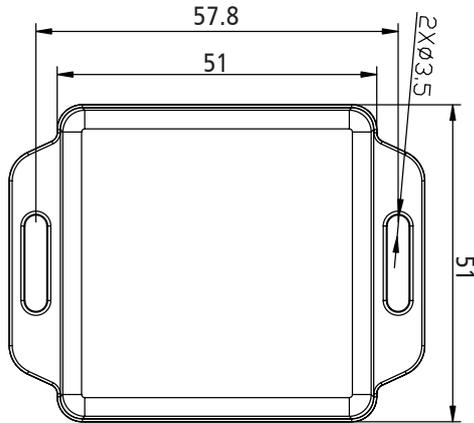
APPLY SERIES	COMMUNICATION	CONTROLLER PORT
All of our controllers employ TTL level communication and a PH2.0 port	TTL	PH2.0

1.4 PRODUCT FEATURES

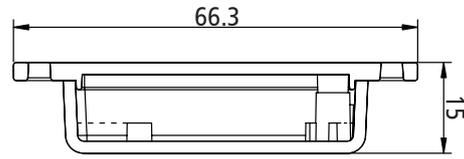


2. SYSTEM WIRING

1.5 PRODUCT DIMENSIONS



GP-MPPT-PRO-BT-1
FRONT VIEW



GP-MPPT-PRO-BT-1
SIDE VIEW

External Dimensions: 66.3 X 51 X 15 mm
Fixed holes dia: \varnothing 3.5

2. SYSTEM WIRING



Note: Cable using the standard Ethernet cable (parallel line) connect.

TYPE	GP-MPPT-PRO-BT-1
Input voltage	5 - 12V
Stand-by power consumption	0.04W
Run power consumption	0.05W
Communication distance	≤ 15m
Serial port baud rate	Fixed baud rate 9600bps
Communication methods	RS232
Interface type	RJ12
Connecting line	Standard network cable (parallel cable)
Size	66 x 51 x 15.5mm
Installation dimension	57.5 x 15mm
Fixed holes dia	ø3.5mm
Operating temperature	-20°C - 75°C
Level of protection	IP67
Net weight	120g

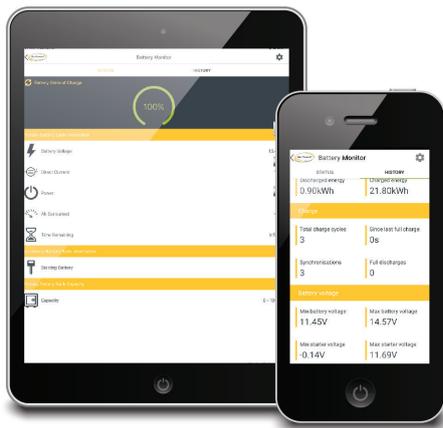
4. GO POWER! CONNECT

4.1 GO POWER! CONNECT™ CONNECTIVITY INSTRUCTIONS

Welcome to the Go Power! Connect™ manual. You can use the Connect app to configure, monitor and diagnose all our products which have built-in Bluetooth® capability or are equipped with a Go Power! Direct port.

For a complete list of products compatible with Go Power! Connect, please visit gpelectric.com.

4.1.1. DOWNLOAD AND INSTALLATION



Go Power! Connect™ is available on:



Go Power! Connect™ is available to users of iOS and Android phones, as well as tablets. Visit get.gpelectric.com/connect to download the app suitable for your device.

4.1.2. BLUETOOTH® DONGLE - PAIRING AND CONNECTING

1. Open Go Power! Connect™
2. On your Phone or Tablet: pull down the screen to initiate a scan for available devices.
3. The first time you attempt to connect the phone will ask to 'pair' with the device. Enter the pin code. The default pin code is 000000.
4. Connection is complete.

If connection was not successful please visit <https://gpelectric.com/support/battery-monitor-support/>.

Always connect from within the Go Power! Connect™ app. Do not connect from the device's system menu because the app will not find your Go Power! product.

Note

4.1.3 CHANGING THE BLUETOOTH PIN CODE

To prevent unauthorised connections to your device we recommended you change the PIN code. Avoid using obvious PIN codes such as 111111 or 123456.

To change the PIN code: First complete your connection; then go to the Product Info page. To access that page, click the button on the upper right. For some products it will be the settings icon: 

After opening that menu press , and click Product Info

For other products you'll find the  button on the upper right, which takes you straight to the Product Info page.

5. COMPATIBILITY - PHONES AND TABLETS

5.1 ANDROID DEVICES

The minimum required Android version to run the Go Power! Connect™ app is 4.1.

The minimum required Android version to connect to the Go Power! Connect™ via Bluetooth is 4.3.

Access to location services required?

Android 6 and later requires access permission for the Connectivity app to access location services. Otherwise it can not scan for the Bluetooth devices.

Besides permitting access to its data, the location services also needs to be enabled in many (but not all) cases.

Note that after enabling location services, the GPS itself can be switched off again: the Android location services are more than GPS. Bluetooth and WiFi- scan results can technically also be used to approximate the devices location; hence these requirements.

Despite the text above, you can be sure that the Connectivity app is not interested in, nor tracking your location.

5.2 APPLE IOS IPHONES AND IPADS

The Connectivity app works on the following iPhones and iPads, which have Bluetooth 4.0 (BT LE) and iOS 8 or later, which is required:

- Phone 4S and later (due to Bluetooth Low Energy support)
- iPad 3rd generation and later

Unfortunately Apple iPhone/iPad doesn't support USB OTG

© 2021 Go Power!

Worldwide Technical Support and Product Information gpelectric.com

Go Power! | Dometic

201-710 Redbrick Street Victoria, BC, V8T 5J3

Tel: 1.866.247.6527

82805_MANUAL_GP-MPPT-PRO-BT-1

