

**Go Power!**<sup>®</sup>

# 60 Amp MPPT Solar Controller



MAXIMIZE POWER EXTRACTION IN ALL CONDITIONS



## Ultimate Battery Protection

The GP-MPPT-PRO-60 optimizes solar charging capacity in mobile systems in all sun and tilt conditions while allowing the use of simpler series wiring configurations up to 100V (Voc @ STC). It also maximizes power extraction in all conditions.

- Supports multiple battery chemistries
- Heavy-duty terminals for low resistance connections
- Maximizes energy yield in multiple array tilt conditions
- Increases battery life by preventing overcharging
- Reacts faster to changes in solar conditions
- Optional remote
- Up to 98% power conversion efficiency
- **5-year warranty**

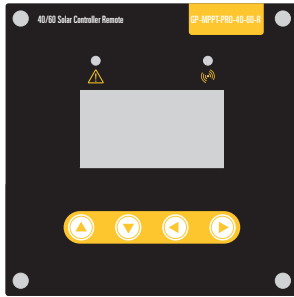
### SPECIFICATIONS

System Voltage	12/24/36/48V (auto-recognition)
Temperature Compensation	-18mV/°C (12V systems), -36mV/°C (24V systems), -54mV/°C (36V systems), -72mV/°C (48V systems)
Controller Operating Battery Voltage Range (min. - max.) [V]	9V - 65V
Max Charge Current	60A
Conversion Efficiency	≤98%
MPPT Tracking Efficiency	>99%
Max Panel Input Voltage	150Voc
Max PV Power Input	1040W/12V; 2080W/24V; 3120W/36V; 4160W/48V
No-Load Loss	≤50mA (12V); ≤25mA (24V) ; ≤17mA (36V) ; ≤13mA (48V)
Grounding	Negative Grounding
Operating Temperature	-35 to 45°C, -31 to 113°F
Storage Temperature	-35 to 75°C, -31 to 167°F
Humidity	95% N.C.
Battery Type	Lead Acid (Sealed, Gel, Flooded), Lithium
Max Wire Gauge	AWG 2
Dimensions (H x W x D)	11.22 x 8.07 x 3.66 inches (285 x 205 x 93 mm)
Weight	3.6kg / 7.9lbs
Water Ingress Protection	IP32
Altitude	≤3000m
Warranty	5 Years

BATTERY CHARGING PROFILE	SEALED	GEL	FLOODED	LITHIUM	CUSTOM
<b>High Voltage Disconnect</b>	<b>16.0V</b>	<b>16.0V</b>	<b>16.0V</b>	-	<b>9-17V</b>
<b>Boost Voltage</b>	<b>14.4V</b>	<b>14.2V</b>	<b>14.6V</b>	<b>14.4V</b>	<b>9-17V</b>
<b>Boost Duration</b>	<b>120 minutes</b>	<b>120 minutes</b>	<b>120 minutes</b>	-	<b>10-600 minutes</b>
<b>Boost Recovery Voltage</b>	<b>13.2V</b>	<b>13.2V</b>	<b>13.2V</b>	-	<b>9-17V</b>
<b>Float Voltage</b>	<b>13.8V</b>	<b>13.8V</b>	<b>13.8V</b>	-	<b>9-17V</b>
<b>Equalize Voltage</b>	-	-	<b>14.8V</b>	-	<b>9-17V</b>
<b>Equalize Duration</b>	<b>120 minutes</b>	-	<b>120 minutes</b>	-	<b>0-600 minutes</b>
<b>Equalize Interval</b>	<b>30 days</b>	<b>0 days</b>	<b>30 days</b>	-	<b>0-250 days</b>



## Accessories Available



The GP-MPPT-PRO-R-40/60 is a surface mounted remote display for the GP-MPPT-40-PRO and GP-MPPT-60-PRO charge controllers. The remote shows the charge current to the battery, battery voltage, and battery state of charge (SOC).

### SPECIFICATIONS

System Voltage	12/24V
Battery Voltage Range	9V – 32V
Operating Consumption (Display Backlight ON)	<0.04W
Operating Consumption (Display Backlight OFF)	<0.03W
Communication Mode	TTL
IP Rating	IP32
Display to Controller Port	RJ45
Display to Inverter Port	RJ11
Operating Temperature	-10 to 55°C, 14 to 131°F
Humidity	99% N.C.
Dimensions (H x W x D)	4.56 x 4.56 inches (115.82 x 115.82mm)
Weight	0.5kg / 1lbs
Warranty	2 Years

Use a non-inverting Ethernet cable. GP-MPPT-PRO-R-40-60 is intended for use with non-inverting Ethernet cables. Use the one provided or be sure to purchase a non-inverting type.



The GP-MPPT-PROBT-1-40/60 is compatible with Go Power!'s Bluetooth® ready GP-MPPT-PRO-40 and GP-MPPT-PRO-60 solar controllers and can work seamlessly with the Go Power! Connect mobile app giving you the ability to wirelessly monitor you controller's parameters setting and data view.

- Allows wireless monitoring and control of controller
- Supports an easy-to-use Plug & Play app
- Employs a dedicated Bluetooth™ 4.0 and BLE technologies for quick communication
- Up to 15m communication distance
- **2-year warranty**

### SPECIFICATIONS

Input Voltage	5-12V
Standby Power Consumption	0.04W
Operating Power Consumption	0.05W
Communication Distance	≤15m
Serial Baud Rate	Fixed baud rate: 9600bps
Communication Mode	RS232
Port Type	RJ12
Connection Mode	Standard network cable (parallel cable)
Operating Temperature	-20°C to 75°C
Dimensions (H x W x D)	2.60 x 2.01 x 0.61 inches (66 x 51 x 15.5mm)
Installation Dimensions	2.26in, ø0.13in (57.5mm, ø3.2mm)
Protection	IP67
Weight	0.12kg / 0.26lbs
Warranty	2 Years



#### GO POWER! CONNECT

Access your device using Bluetooth through the Go Power! Connect app.



Available for FREE download on:

