

# CAMDII

## POWER PRO



**PARKING GUARD**

Advanced Power Management System for vehicle

**Installation Kit**

12V / 24V compatible

Quick Charge output



  
12V/24V

Power Pro



Power Cable (Red+Black)  
Piggy-Back Fuse Cable  
Screw Driver  
Bundle Tie Fasteners

MADE IN CHINA

Get your device up and running in minutes, easy install easy go!

## Getting started:

- Using a circuit tester or multimeter to locate a constant power fuse in your fuse box;
- Remove the fuse identified in the step above and insert into the empty slot on the fuse cable tap (the "original fuse" location in the image);
- Insert the Power Pro fuse tap into the now empty slot in the fuse box;
- Insert the stripping wire of black cord into GROUND terminal on Power Pro body and lock the wire with attached screwdriver; please make sure there is no copper wire prick out from terminal;
- Insert the stripping wire of red cord into 12V/ 24V positive terminal on Power Pro body and lock the wire with attached screw driver; please make sure there is no copper wire prick out from terminal; check the wires again to avoid short circuit;
- Attach the metal ring terminal from black cord to a metal ground point on the body of the vehicle. Do not attach the ground ring terminal to a painted surface;
- Insert the cartridge plug of red cord into the cartridge receptacle of Piggy-back tap fuse cable;
- Press the power switch on Power Pro body, check if the indicator light on;
- Seal and fix the paired cartridge connector with tape, recover the vehicle fuse box;
- Choose the best place to fix the Power Pro body with the attached 3M VHB pad;
- Fasten the parallel red&black cable to other vehicle cables with the attached bundle tie fasteners to avoid vibration;
- ENJOY!



## SETTINGS:

Power Pro allows to configure both Parking Timer Delay and Battery Drain Cut-off Voltage to avoid over discharging the vehicle battery while vehicle parked. Power Pro will cut the power to the appliance based on both Parking Timer Delay or Drain Cut-off Voltage, whichever comes first.

The Parking Timer Delay can be set from 5 minutes to infinite, counting from vehicle ignitor stop (ACC circuit turn off).

In addition to the timer, Power Pro lets you set a battery drain cut-off voltage. As soon as your parked vehicle's battery voltage drops to the set cut-off value, Power Pro will stop powering your appliance, thus saving your battery.

### PARKING TIMER DELAY SETTING

NO TIMING	8 hours
36 hours	4 hours
24 hours	2 hours
12 hours	5 minutes

The Power Pro will cut off output when timing end which set by Parking Time Delay setting, even if the battery voltage still higher than the Drain Cut Off setting. The Power Pro will cut off output when battery voltage drop to the Drain Cut Off Setting, even if the Parking Time Delay not reach. With the Parking Timer Delay and Drain Cut-off setting, you never need to worry about your vehicle battery dying while parking.

### DRAIN CUT OFF SETTING

12.4V / 24.8V
12.2V / 24.4V
12.0V / 24.0V
11.8V / 23.6V

Auto detect vehicle  
Driving and Parking status,  
Auto active Parking Mode



Compatible with vehicle  
Auto Start & Stop System

\*\*\*maybe different on different vehicle

There is temperature sensor built-in the Power Pro, which is used to detect the PCBA temperature, to keep the Power Pro and vehicle safe; when the PCBA getting hotter than 90°C, the Power Pro will auto cut off output; when the PCBA getting cooler than 90°C, the Power Pro will auto recover output.



CIGAR LIGHTER  
CHARGER SOCKET  
OUTPUT 36W MAX

STATUS INDICATOR

QUICK CHARGE  
OUTPUT 24W MAX

USB 5V 2A  
OUTPUT

BATTERY DRAIN  
CUT OFF VOLTAGE  
SETTING

PARKING  
DELAY  
SETTING

POWER  
SWITCH

Please set the drain cut off voltage value according the temperature and how many capacity you'd like to consume before the Power Pro cut off output.  
Here is a chart for your reference. (the chart maybe different on different battery)

For example:

If the environment temperature is 100°F(38°C) in hot summer, assume you want to keep 50% battery capacity remained when the Power Pro cut off output, which means the battery voltage around 12.192V, then you should set the cut off voltage to 12.2V band; there will be only 50% capacity used by the appliance device even after the vehicle parked for a long time. if it is a regular 50Wh Lead Acid accumulator, the 50% consuming will support around 20 hours dash camera recording.

TEMPERATURE		12V LEAD ACID CAPACITY & VOLTAGE (Volt)				
°F	°C	100%	75%	50%	25%	0
0	-18	12.842	12.642	12.432	12.252	12.082
10	-12	12.818	12.618	12.408	12.228	12.058
20	-7	12.794	12.594	12.384	12.204	12.034
30	-1	12.77	12.57	12.36	12.18	12.01
40	4	12.746	12.546	12.336	12.156	11.986
50	10	12.722	12.522	12.312	12.132	11.962
60	16	12.698	12.498	12.288	12.108	11.938
70	21	12.674	12.474	12.264	12.084	11.914
80	27	12.65	12.45	12.24	12.06	11.89
90	32	12.626	12.462	12.216	12.036	11.866
100	38	12.602	12.402	12.192	12.012	11.842
110	43	12.578	12.378	12.168	11.988	11.818
120	49	12.554	12.354	12.144	11.964	11.794
130	54	12.53	12.33	12.122	11.94	11.77
140	60	12.506	12.306	12.096	11.916	11.746

There are 4 protecting band setting in the Power Pro, you can switch according your requirement.  
For 12V battery, the protecting voltages are 11.8V / 12.0V / 12.2V / 12.4V;  
For 24V battery, the protecting voltages are 23.6V / 24.0V / 24.4V / 24.8V.  
The Power Pro will identify the Lead Acid Accumulator automatically and protecting from draining.

**12.2V/24.4V band** is recommended for most users in general working condition.

# CAMDII POWER PRO



**2 YEARS  
WARRANTY**

**ENJOY PARKING MODE, PROTECT YOUR BATTERY**

Power Pro supplies power to your device from your vehicle's battery according to the configured voltage and timer to prevent vehicle battery over discharge.

## INPUT:



compatible with 12V / 24V vehicle battery  
1 meter 18AWG parallel cable with fuse

## OUTPUT:



cigar lighter socket output 36W MAX  
USB2.0 quick charge output 24W MAX  
USB2.0 common output 5V 2A MAX

## PROTECTION:



vehicle parking timer cut off  
battery over-discharge / drain cut off  
internal temperature detection



Auto detect Driving & Parking status  
and active parking mode

Auto Startup & Shutdown compatible

**EASY INSTALLATION EASY GO**  
minutes installation then durable  
enjoyment.

## Piggy-Back Fuse Tap Type

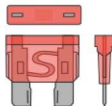
the chosen fuse is  
included in the kit

☐ Low-profile  
Mini

☐ Mini (most  
common)

☐ Micro2

☐ ATO (regular)



Thanks for choosing CAMDII  
Enjoy the safe driving!  
[www.camdii.net](http://www.camdii.net)  
[service@camdii.net](mailto:service@camdii.net)