



USER MANUAL

Portable Power System (CL3000)

Thank you for purchasing the CamperLED Australia CL3000 Portable Power System. Please read the information carefully and follow all instructions thoroughly before using this product. Our mission is to be the leaders in the energy-storage industry. The “CL3000” series was designed and produced with our team of dedicated engineers to excite the energy Market, The CL3000 is the most sophisticated portable energy device available today.

We hope you to enjoy our great product

Feature

The system delivers AC & DC Power which is designed for Villages, District Health Centers, farmers, outdoor camping, tourism, military, etc. It's easy to operate and convenient to carry. It can power most appliances found in the home, office, shed, Campsite or workplace; such as TV's, stereos, games, portable fridges, lights, fans, laptops, phones, and power tools. The CL3000 comes complete with 160 watt Folding Solar Panels, solar controller, 400watt Pure Sine Wave inverter and 50 Amp Lithium battery all controlled by our *Smart Cell* Battery Management System all in one box.

Product Structure





2. Charging & Discharging Interface

Specifications

Model No.	CL3000
Battery	Polymer lithium battery 12V 50AH
Car charging	Voltage: 12V-20V Current: 5A
Solar charging	Voltage: 18-22V (VOC) Max Current: 10A
AC charging	Voltage: 13V Current: 6A
AC output	Maximum continuous output power: 400W Output voltage: AC220V Output frequency: 50HZ Output waveform: pure sine wave
DC12V output	Output voltage: DC12V Max output current (IMAX) : 8A
USB DC5V output	Output voltage: DC5V Max output current (IMAX) : 3A

Jump starter	12Vbattery car engine start up to 700CCA
Radiating	Air cooling System
Protections	Over charge protection, Under voltage protection, over voltage protection, over load protection, short circuit protection, overheating protection
Size	385mm*280mm*150mm
N.W.	9.1KG

3. The 5 Led lights Description

This 5 lights indicates the battery charge level at 20% each up to 100% power. When only one light is on, please charge for the product.

Charging the CL3000

How to Charge the CL3000 from Sunlight

Use included 160 watt solar panel (Max.160W 23V) to connect with the 12V~23V DC INPUT connector and put the solar panel under directly sunlight, then it is charging the power system. Solar Panel does not require a Regulator as the CL3000 has its own built in solar regulator.

After the light shows the battery is 100% full, the CL3000 will automatically disconnect input charge until needed again.

How to Charge the Box from AC

There are 2 steps to charge the CL3000 by AC power:

- 1) Connect the charging cable with the 240V AC INPUT connector into the CL3000 (Included).
- 2) Connect another side of the AC charging cable to the AC outlet, and then it will commence charging.

Remove the charging cable after the battery is 100% full.

How to Charge the CL3000 by Car power Socket

There are 2 steps to charge the CL3000 by Car DC outlet.



- 1) Connect one side of the car charging cable with the 12V~23V DC INPUT connector;
- 2) Connect another side with car socket and operate only with car running and then it is charging.
Remove the charging cable after the battery is 100% full.

Charging Time

Charging Time / Battery capacity / Charging method	1 unit	2 Units	3 Units
AC / DC charge	4h	6h	8h
160W solar charge	4h	6h	8h

Using CL3000

How to Use the CL3000 to Supply AC Power

- 1) Turn on the master switch;
- 2) Press the AC ON/OFF button;
- 3) Connect AC 240V device to 240V AC OUTPUT socket, make sure the load power not more than 350W;
- 4) Disconnect the load from the CL3000 when finish using, press the AC ON/OFF button to turn off AC power.

How to Use the CL3000 to Supply DC Power

- 1) Turn on the master switch;
- 2) Press the DC ON/OFF button;
- 3) Connect DC 12V or USB 5V device to the corresponding DC sockets, make sure the 12V load power not more than 90W;
- 4) Disconnect the load from the CL3000 when finish using, press the DC ON/OFF button to turn off AC power.

You can use AC & DC power at the same time, but please make sure the load power does not exceed the limit.

How to Use as Jump Starter?

When your vehicle was unable to start as car battery is running low, you can use this interface to help 12V car battery to start the engine. Since the current will be up to 700CCA when starting the car engine, please follow the steps as below:

- 1) Confirm that the battery indicator light have two or more in lighting before using to start the car.
- 2) Turn off your vehicle's ignition switch and all of electronics on the car.
- 3) Connect the engine start cable which comes with the CL3000 plug into the power port, then connect the black clip of the cable to the negative of engine battery 1st, and then red clip to positive of engine battery.
- 4) Hold down the AC or DC output control button for more than 3 seconds to make status indicator light turns to orange, then the system comes into the car engine start function, and the other outputs will be shut down at the same time.
- 5) Turn the car's ignition switch to start the engine. If a start is not successful, please use intervals of more than 20 seconds before re-ignition, and each ignition time is not more than 3 seconds.
- 6) After the car starts, remove the red clip from the battery 1st, then remove the black clip.

Safety Precautions

This product has been designed and manufactured to ensure personal safety. Please read the following carefully before using the product. Incorrect operation or incompatibility with your device may result in reduced battery performance or damage to your device.

- Check the voltage of your device for correct compatibility with the product;
- Do not use any devices above 360W on the CL3000 for risk of damaging the inverter;
- Do not attempt to disassemble the product, warranty is void if the device is opened by unauthorized personnel;
- Store and operate between -10 to 40. Keep the product away from any heat and water sources. Temperatures over 60 may cause damage;
- Do not operate the product if it has been subjected to shock or damage;
- Recharge the product every 6 months when not in use. Use a soft cloth to clean the exterior and solar panel. Do not use harsh chemicals or strong cleaning solvents;
- The device is capable of generating high voltages; always keep the product out of the reach of babies and small children, in order to prevent any dangerous situations.

Warranty

CL3000 comes with a 2 year warranty (full replacement)

Exclusions & limitations

This warranty does not apply:

- 1) To consumable parts, such as protective coatings designed to diminish over time unless failure has occurred due to a defect in materials or workmanship;
- 2) To cosmetic damage, including but not limited to scratches, dents, and broken plastic on ports;
- 3) To damage caused by accident, abuse, misuse, liquid contact, fire, Water or other external causes;
- 5) To damage caused by operating the product outside the permitted or intended uses described by CamperLED Australia
- 6) To a product or part that has been modified to alter functionality or capability without the written permission of CamperLED Australia