




LOGIC POWER LPM-PSW-1500VA Uninterruptible Power Supply User Manual

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LOGIC POWER LPM-PSW-1500VA Uninterruptible Power Supply



Introduction

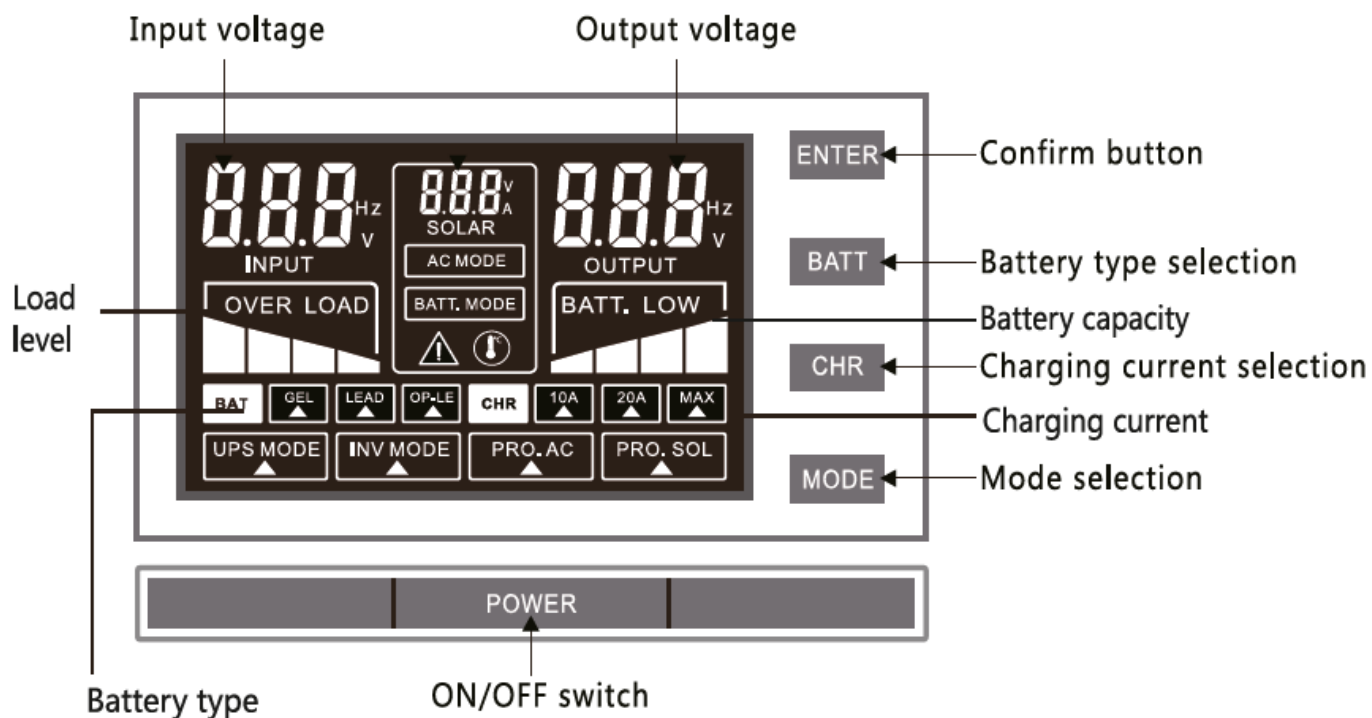
This is an advanced Line-interactive inverter which provides uninterruptible pure sine wave power to your equipment. Unlike the traditional off-line inverter, this series also provides low harmonic distortion and has a very short transfer time when blackouts occur. It provides an efficiency over 98% under normal power condition. Two charge modes, quick charge and trickle charge provide selection of the most suitable charging current.

Main features

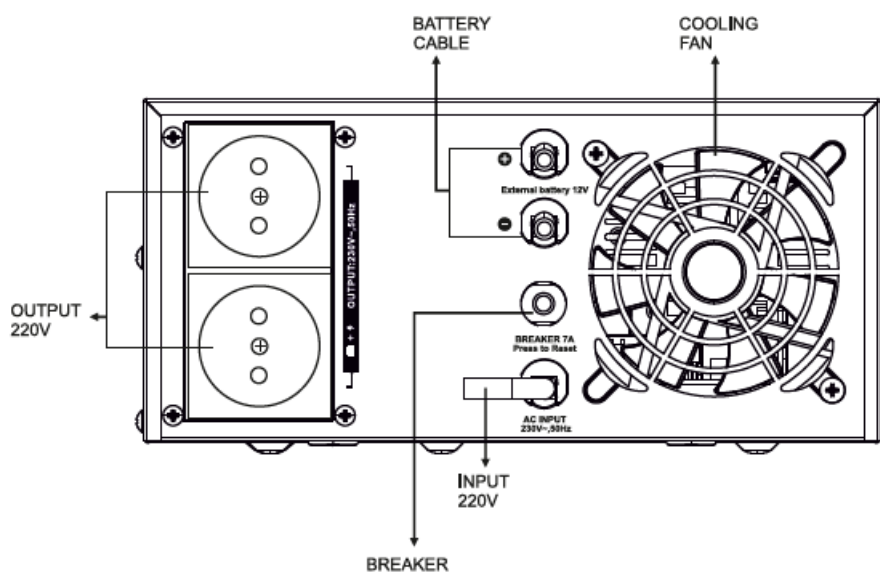
- Pure sine wave output
- Microprocessor control
- Automatic Voltage Regulator
- Smart charging
- Battery capacity control
- Protection for overload, short circuit, & over temp
- Load level control
- Outstanding dynamic performance

Description of appearance

Display panel



Rear panel



Operation

External battery operating procedures

1. Please follow the parameter table, series battery and ensure proper battery first.
2. Connect AGM or GEL battery corresponding to chosen charging current

65-120Ah	10A
120-250Ah	20A

- Connect (+) of the device to (+) of the battery and (-) of the device to (-) of the battery.
- Do not short the positive and negative of the battery electrode or joint reversely.

1. When connecting the battery cable, the occurrence of spark in the joints is normal phenomenon.

Operation modes

1. Press "POWER" for 3 seconds to turn on or turn off the inverter.
 1. How to settle battery type – "BATT"
 - Press "BATT" and, ▲ flashes. Keep on pressing it till it reaches the battery type you choose (Default – Lead-Acid battery) then press "Enter" to set it up. Battery type includes Gel (GEL), LeadAcid, AGM and multiple AGM (LEAD); and open Lead-Acid (OP-LE) battery.
 2. How to set charging current – "CHR"
 - Press "CHR" and, ▲ flashes. Keep on pressing it till it reaches the charging current you want, then press "ENTER" to set it up. You can choose 10A or 20A for standard models. MAX is only available for specially designed models.
 3. How to set UPS mode or INV mode (optional)- "MODE"
 - Press "MODE" and you will see , ▲ flashes in turns between "UPS MODE" and "INV MODE", keep on pressing it till it reaches the mode you need. If "UPS MODE" is selected, the AC input voltage range would be 145-280 Vac, and the output voltage range would be 220 Vac \pm 10%, which is suitable for computers and home appliances those require high voltage.

If the 'INV MODE' is selected, the input voltage range would be 105-285 Vac, and the output would be 150-250 Vac, which is suitable for most of the home appliance. Computer load is not recommended in this mode as a restart might occur.

Important safety instructions

- When replacing the batteries, use the same number and the same type of batteries.
- Do not dispose of batteries in a fire; the battery may explode.
- Do not open or mutilate the battery or batteries, released electrolyte is harmful to the skin and eyes.
- A battery can present a risk of electric shock and high short circuit current. The following precaution should be observed when working on batteries.
- Remove watches, rings or other metal objects.
- Use tools with insulated handles.
- The socket-outlet shall be easily accessible.
- The battery supply should be disconnected in the plus and minus pole through or from the outer enclosure accessible battery fuses when maintenance or service work inside the inverter is considered.
- The lead acid battery may cause a chemical hazard.

Specification

Model	LPM-PSW-1500 VA
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Rated capacity	1500 VA/ 1050 W
Battery voltage	12 Vdc
AC input voltage range	UPS mode: 140-275 Vac INV mode: 105-285 Vac (option)
AC input frequency range	45-65 Hz
Output voltage (AC mode)	UPS mode: 220 Vac \pm 10% INV mode: 150-250 Vac (option)
Output voltage (Battery mode)	220 Vac \pm 10%
Output frequency (Battery mode)	50Hz \pm 1 Hz
Output waveform (Battery mode)	Sinewave
Transfer time	4-6 ms
Max charging current	10A/20A/Max (selectable)
Dimensions (mm)	290•256•119
Operating temperature	0-40°
Humidity	20 to 90% non-condensing

Troubleshooting

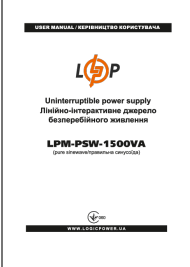
Problem	Possible causes	Action to take
Inverter no reaction while AC is connected	<ol style="list-style-type: none">1. Line cord plug is loose2. Breaker broken3. Dead wall socket	<ol style="list-style-type: none">1. Check the line cord plug2. Replace the breaker3. Check wall socket with a table lamp
Inverter emits continuous beep, Load level indicator flickers	Inverter is overloaded	Turn off inverter and unplug excessive loads from inverter
Inverter does not provide expected run time	<ol style="list-style-type: none">1. Battery is weak and can't provide enough	Turn off the inverter. Leave the inverter plugged in for 10 hours.
Button on front panel doesn't work	<ol style="list-style-type: none">1. The CPU inside inverter is not running correctly2. Button damaged	Unplug line cord and battery cord from the inverter to let it shut down automatically, and plug line cord and battery cord again. If button still fails, please call for service
Inverter emits urgent beep, Battery capacity indicator flickers	Low battery	<ol style="list-style-type: none">1. Charge the battery2. Replace the battery3. Call for service

Inverter cannot DC start	1. Battery polarity wrong 2. Wrong battery type 3. Inverter fault.	1. Check battery and connection 2. Check battery voltage by voltage meter 3. Call for service
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CONTACT

- www.LOGICPOWER.UA
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Documents / Resources

	<p>LOGIC POWER LPM-PSW-1500VA Uninterruptible Power Supply [pdf] User Manual</p> <p>LPM-PSW-1500VA Uninterruptible Power Supply, LPM-PSW-1500VA, Uninterruptible Power Supply, Power Supply, Supply</p>
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