

User Manual of Leeer-4B

Thanks for purchasing the MINI UPS (Leeer-4B). Please refer to the User Manual carefully before use:

1. Installation: connect the MINI UPS with the AC power socket (under circumstance of power disconnection), then connect the unit with your device. After that, turn on the AC power (MINI UPS will be charged automatically) and press the ON/OFF button to power the unit on and keep it switched on all the time. The green LED indicator will illuminate to confirm the MINI UPS is on and ready to provide protection.
2. Please use this unit within suggested maximum level of voltage and wattage. Suggest: The unit performs most safely when the load wattage is below 60% of Rated Watts.
3. This unit must be fully charged before the first use.
4. If the battery power is used up during a power shortage, the unit will turn off automatically to enter into the mode of protection, and you must recharge it before the next use.
5. MINI UPS is guaranteed for one year under the premise that they are used in accordance with this manual.
6. Provided being charged for long time, temperature of this unit may go up to 60°C. It is considered as a normal phenomenon.
7. After intermittence during the use, we can have the unit (remnant power is available) go on working normally via turning on the switch, in case of such function in need of customer. Furthermore, we are able to design product with special functions (such as time power supply, intermittent power supply, etc.) according to customer's requirement.
8. Please place the MINI UPS to avoid excessive heat and moisture. Also, turn off the unit provided no necessary for constant use.
9. Do not open the back cover as you may get a shock from the high voltage power.

Status Indications

Power on (green)	DC/AC (red)	Buzzer (choose)	Conditions
on	off	off	MINI UPS is charged (ready state)
on	flash	alarm	MINI UPS is supplying power to the connected device
off	off	off	MINI UPS will be off automatically because its power is not enough for the device or it's switched off.

Technical Parameter

Item		Specification
Rated Watts(W/VA)		200W(330VA)
		250W(410VA)
		300W(500VA)
Input	Nominal Voltage	85-265VAC
	Frequency	47-65Hz
Output	Nominal Voltage (on battery)	(optional) 100V、110V、120V-AC(±10%)X2; 220V、230V、240V-AC(±10%)X2
	Frequency (on battery)	50/60Hz ±1Hz
	Transfer Time	8ms ± 2ms
Battery	Nominal Voltage/ Capacity	14.4V/1.2AH-2.4AH (select according to the wattage of MINI UPS)
	Charge Time	10 hours (with the unit switched off) 13 hours (with the unit switched on)
	Backup Time	≥5 minutes (subject to the level of load)
	Type	Ni-Cd or Ni-MH (select according to the wattage of MINI UPS)
Protection	Low Voltage Protection of Battery	11.0V(±1V)
	Reuse	Restore via activation of AC
	Surge Protection	Built-in surge protection
	High-voltage Protection	Built-in high-voltage protection
	Low-voltage Protection	Built-in low-voltage protection
	Lightning Protection	Lightning protection
Size(mm*mm*mm)		195*142*45
Net Weight		1.11kg for Leeer-4B-200W
		1.17kg for Leeer-4B-250W
		1.23kg for Leeer-4B-300W
Operating Temperature		-18℃ to 45℃
Operating Relative Humidity		10% to 95%

Shenzhen Leeer Computer Tech Co., Ltd.

Email: leeer@leeer.com

Tel: 86-755 26957231-8888

Website: www.leeer.com

Fax: 86-755 26957231(ext.8001)