

LEEER-4D Instruction Manual

Product Name: Portable Mini DC UPS

Product Model No:LEEER-4D

Product Features:

The world's first portable mini standby DC power supply.

It could be taken to anywhere after recharging; once switch on, it may immediately provide DC power without startup by the AC power.

This DC UPS is specially designed for the small scale equipment powered by DC.

Applicable to the outdoor power supply for the equipment powered by DC(such as mobile phone recharging, portable appliance etc. during traveling or camping).

Product Descriptions:

User(s) may choose to/not to use the DC UPS supply via the switch when utility power is available;

During mobile use, recommend to adopt soft-startup to better protect load from current impact;

Wide input voltage (75-265V) ;

Environment-friendly batteries (Ni-MH) are adopted;

Free from minimum load limitation;

Audio and visual alarm (optional);

Battery low voltage protection;

Battery high voltage protection;

Overload protection;

Output short circuit protection;

Lightning protection;

Surge protection;

Fault-triggered auto shutdown;

Two lines of AC socket output; simultaneously switch to the utility power if it is available.

Use Instructions:

1. For the first use, the DC UPS should be fully recharged; switch off and continuous charging for 10 hours with connecting AC power supply.
2. Take the portable Mini DC UPS to the required places, connect to the load appliance and switch on to initiate the mode of mobile power supply.
3. This DC UPS can also be used as the fixed power supply device.
4. In case of flat battery, Mini DC UPS shall auto shut down to initiate the protection mode; please make sure to get battery recharged again before use.
5. During use, the rated power shall not be exceeded.
6. The ideal load is supposed to be resistive. With inductive and capacitive load, please take caution during use to avoid unexpected consequences.
7. The protection mode is initiated due to overload or erroneous operation.

Technical Parameter:

Item		Specification
Rated Watts(W)		60 (limit 70)
Input	Nominal Voltage	75-265V-AC
	Frequency	47-63Hz
Output	Nominal Voltage	DC 12V $\pm 2\%$
	Frequency	0
	Transfer Time	<1 μ s
	Output Control	manual or automatic option
	Manually power turn-on	1 second Delay
Battery	Nominal Voltage/ Capacity	14.4V/1.2AH-2.4AH (depend on the wattage of MINI UPS)
	Charge Time	10 hours (with the unit switched off)
		12-15 hours (with the unit switched on)
	Backup Time	≥ 20 minutes (depend on 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(± 1 V)
	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		1.314 kg
Operating Temperature		-18 $^{\circ}$ C to 45 $^{\circ}$ C
Operating Relative Humidity		10% to 95%

Precautions and Quality Assurance:

1. The DC UPS shall be placed in the cool area with good ventilation to avoid humidity and overheated situation. When not in use, please immediately switch it off.
2. In order to avoid high voltage electric shock, please DO NOT dismantle the back cover without authorization.
3. There is approximately 1s delay to start up the move mode; please check whether the load permits.
4. This DC UPS is precise device; please don't repair it without authorization in case of failure.
5. This DC UPS can be damaged due to improper use.
6. Under the precondition of proper using, one-year quality warranty is awarded