

25 W / 24-Hour Indoor Uninterruptible Power Supply

LBP-UPS-F-25-24

LINDSAY
 BROADBAND

Lindsay's LBP-UPS-F-25-24 UPS is an easy to install, Lithium-ion technology-based, standby UPS system with telemetry. It is designed to continue to deliver regulated, low noise power to any 12-15 VDC powered 25 W maximum NIU/CPE device during AC power failures (PON ONT, RFoG node, RF amplifier, modem, router, wireless device, etc.). Protection features include battery charging and safety management, charge/discharge and over/under temperature monitoring, output overload and short circuit protection as well as input overvoltage, surge and reverse polarity protection. Other features include up to 33 hours of battery backup, zero millisecond power transfer time, microprocessor controlled operation, manual ON/OFF control, and LEDs that provide status as well as visual fault indications. In the OFF condition, the UPS enters into an ultra-low power state to save energy. The AC power adaptor and the LBP-UPS-F-25-24 device incorporate standard female F connectors for use with coaxial cables. If the battery has been depleted, the LBP-UPS-F-25-24 device incorporates an on demand last gasp 30 minute power delivery system to maintain all reliability. The telemetry signals are compatible with all major brands of ONTs.

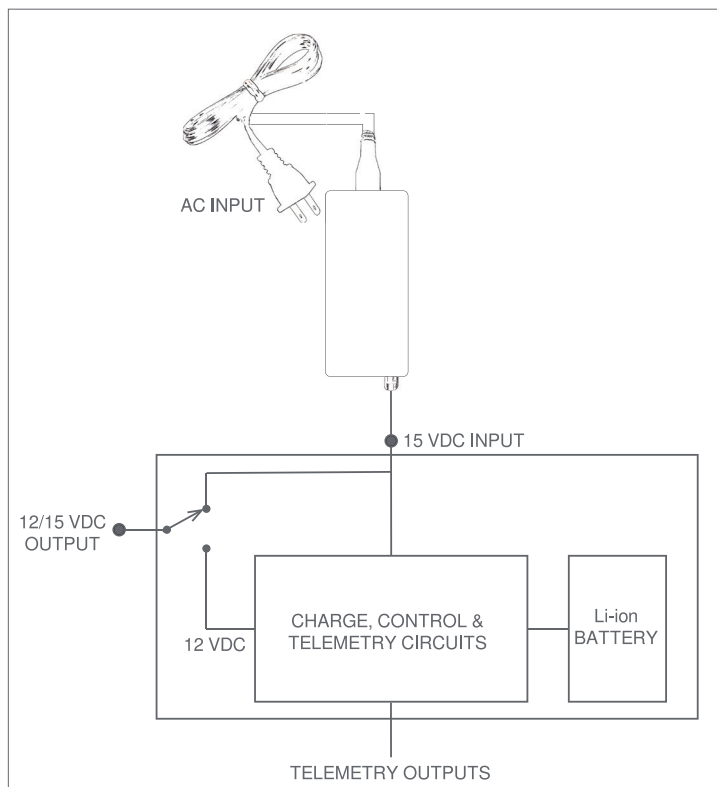


LBP-UPS-F-25-24
(front view)

FEATURES

- Lithium-ion battery technology
- Full microprocessor function control
- Battery charge/discharge & safety management
- Regulated, low noise output
- Surge protection
- Up to 33 hours of battery backup
- Zero transfer time output
- Telemetry signals are compatible with all major brands of ONTs
- Output overvoltage, overload & short circuit protection
- LED status indicators
- Last gasp 30 minute power delivery
- Simple installation & set up with easy battery replacement
- Standard F-female connections

FUNCTIONAL SCHEMATIC





SPECIFICATIONS

Parameter		Specification
Overload Protection		110%
Power Transfer Time		0 ms
Backup Run-Time	400, 525, 800, 1200, 1600, 2100 mA	33, 24, 16.5, 11, 7.5, 5.5 hrs
Emergency Power (after battery depletion)	500 mA	30 minutes
Status Indicators	Standby Mode	Blue LED
	Battery Mode	Amber LED
	Charge	Green LED
	Over/Under Temperature	Red LED
Battery Type		Li-ion
Li-ion Protection		Over/under temperature monitor Overcharge/overdischarge monitor
UPS Protection		Output short/overload with auto-recovery Input overvoltage with auto-recovery Input reverse polarity with auto-recovery 6 kV input surge ⁽¹⁾
In/Out Connectors	SCTE 02	F-female
Telemetry Signals		12 VDC = output voltage 12 VDC RTN = output return SIG RTN = telemetry signal return ON BATT = backup mode (open collector) REPLACE BATT = replace battery (open collector) BATT MISSING = battery missing (open collector) LOW BATT = battery < 20% charge (open collector)
Certifications/Approvals		UL 2054, UN 38.3 (power bank safety) UL 62368-1 (information technology equipment safety) IEEE 587 (C62-41-1991) Cat B3 6 kV (surge withstand) Complies with FCC 47 CFR Part 15, Class B (RF emissions)

Power, Environmental & Physical

Input Power Source ⁽¹⁾		15 VDC/2.5 A
Output Voltage	Standby Mode	VIN=VOUT
	Backup Mode	12 VDC ± 2%
Output Current / Power		2.1 A / 25 W max.
Operating Temperature	VOUT	0°C to +50°C (+32°F to +122°F)
	Battery Charging	0°C to +45°C (+32°F to +113°F)
Dimensions (H x W x D)		3.5"H x 9.0"W x 2.4"D (8.9H x 22.8W x 6.2D cm)
Weight		2.5 lb (1.1 kg)

NOTE:

⁽¹⁾ Lindsay part # 6506-060 100-240 VRMS C/UL certified level VI efficiency AC to DC switching regulated power adaptor



LED STATUS CHART

UPS FUNCTION	LED COLOR	LED STATUS			
		ON	SLOW FLASH	FAST FLASH	OFF
Temperature Fault	Red	Temp=Cold	Temp=Hot	Temp=Too Hot *	Temp=Normal
Battery Mode	Amber	Battery Full	Battery Low	Emergency Power	Battery Drained *
Input Voltage	Blue	VIN=Normal	–	VIN=High*	VIN=Low
Charge Status	Green	Charging	–	–	Charge Complete
Alarm	All LEDs	–	–	Output Overload *	–

* UPS output is OFF under these conditions

ON/OFF button → press > 2 seconds to turn ON/OFF

After replacing the battery, press and hold the ON/OFF button > 10 seconds to reset

The 4 LEDs will turn on one by one for 2 cycles to indicate a new battery has been recognized

ORDERING INFORMATION

Part #	Description
LBP-UPS-F-25-24	25 W / 24-hour indoor uninterruptible power supply
Accessories	
4008-159	3.0' (0.9 m) dual power cable (F-male to dual 5.5 mm x 2.1 mm & 5.5 mm x 2.5 mm barrel connectors)
4008-159-1	3.0' (0.9 m) triple power cable (F-male to triple 5.5 mm x 2.1 mm, 5.5 mm x 2.5 mm barrel connectors, F-male connector)
4008-150-1	15.0' (4.6 m) power cable (F-male to stripped pair of #16 AWG wires [Red + Black])
5-1666-25-24-RB	Replacement Li-ion battery pack