

Quasi-square wave network standby UPS power supplies



LBUPS 900 & 1350 series

Technetix delivers powering solutions to ensure your CATV and broadband networks stay up and running to keep your customers happy. Technetix' 900 and 1350 series of standby power supplies will keep you and your customers connected.



LBUPS-1350-L120
(front angled view)

FEATURES

- Industry-proven, backup power solution for cable systems in outdoor powering applications
- Available in 900 or 1350 VA output models
- Line-interactive ferroresonant technology
- Microprocessor controlled clean and regulated quasi-square wave output
- 3.2" (8.1 cm) color touch screen display provides intuitive, user-friendly operation
- Standby power provided by an external set of SMF VRLA or LiFePO4 batteries
- 12 VDC, 18 VDC and 36 VDC batteries in one to five 36 VDC battery strings are supported
- Intelligent battery management system with temperature compensation for VRLA extends battery service life
- Excellent input and output short circuit protection
- Easily accessible front panel connections
- Hot-swappable inverter modules
- Field-selectable output voltage
- Optional DOCSIS® / EuroDOCSIS™ embedded status monitoring
- IEC 62368-1 certified, CE compliant

OPTIONAL ACCESSORIES

LPME Outdoor Enclosure

- Pole and wall mount installations
- Durable, powder coated aluminum with hinged lid
- Heavy-duty battery slide tray(s)
- External breaker box
- Generator access entry
- Security lock



DHT3 DOCSIS Transponder

- DOCSIS / EuroDOCSIS 3.0
- Integrated web server for status monitoring
- Local diagnostics
- Temperature-hardened
- Built-in spectrum analyzer
- FCC / IEEE / RoHS compliant



NOMINAL SPECIFICATIONS

Part #	Specification					
	Input Voltage (VAC)	Input Frequency (Hz)	Output Voltage (VAC)	Output Current (A)	Output Power (Max.) (VA)	Battery Voltage (VDC)
LBUPS-900-L120	120	60	63/89	15/10	900	36
LBUPS-900-SEL	120/220	60	63/89	15/10	900	36
LBUPS-900-L220	220	50	63/89	15/10	900	36
LBUPS-1350-L120	120	60	63/89	22/15	1350	36
LBUPS-1350-SEL	120/220	60	63/89	22/15	1350	36
LBUPS-1350-L220	220	50	63/89	22/15	1350	36

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GENERAL SPECIFICATIONS

Parameter	Specification	
Input		
Voltage Range	-20% to 15%	
Power Factor	> 0.90 at full load	
Output		
Voltage Regulation	5%	
Waveform	Quasi-square	
Frequency Stability	Inverter Mode	± 0.05%
	Normal Mode	± 1%
Short Circuit Current	150% of max. current rating	
Efficiency	≥ 90%	
Transfer Characteristic	4 ms	
Battery & Charger		
Battery Type	Sealed, maintenance-free VRLA or LiFePO4	
Charger Current	10 A at 80% load & nominal input	
Environmental & Physical		
Operating Temperature	-40°C to +60°C (-40°F to +140°F)	
Operating Humidity	0-95% non-condensing	
Status Display	Color touch screen display	
Input Interface	IEC320/C20	
Output Interface	1x 5/8" x 24 coaxial + 2 sets Anderson Powerpole® PP15-45 connectors	
Finish	Black powder coating	
Dimensions (H x W x D)	8.3"H x 14.5"W x 11.7"D (21.0H x 36.8W x 29.8D cm)	
Weight	900 VA Model	64.0 lb (29.1 kg)
	1350 VA Model	73.0 lb (33.1 kg)

ORDERING INFORMATION

Part #	Description
LBUPS-900-L120	900 VA quasi-square wave standby power supply with 120 VAC 60 Hz input, 63/89 VAC output, 36 VDC inverter
LBUPS-900-SEL	900 VA quasi-square wave standby power supply with 120/220 VAC 60 Hz input, 63/89 VAC output, 36 VDC inverter
LBUPS-900-L220	900 VA quasi-square wave standby power supply with 220 VAC 50 Hz input, 63/89 VAC output, 36 VDC inverter
LBUPS-1350-L120	1350 VA quasi-square wave standby power supply with 120 VAC 60 Hz input, 63/89 VAC output, 36 VDC inverter
LBUPS-1350-SEL	1350 VA quasi-square wave standby power supply with 120/220 VAC 60 Hz input, 63/89 VAC output, 36 VDC inverter
LBUPS-1350-L220	1350 VA quasi-square wave standby power supply with 220 VAC 50 Hz input, 63/89 VAC output, 36 VDC inverter
Optional Accessories	
LBUPS-LAM-2	Replacement lightning arrester plug-in module (installed on PDM PCB for LBUPS delivered June, 2019 onwards)
LBUPS-LIR-1	Replacement line isolation relay plug-in module for LBUPS
LPME-3	Pole/wall mount outdoor enclosure with 3x 12 V, 2x 18 V or 1x 36 V battery, 1 slide battery tray with EBB (External Breaker Box), SR-E1 service receptacle & tamper switch
LPME-6	Pole/wall mount outdoor enclosure with 6x 12 V, 4x 18 V or 2x 36 V battery, 2 slide battery trays with EBB (External Breaker Box), SR-E1 service receptacle & tamper switch
LPME-9	Pole/wall mount outdoor enclosure with 9x 12 V, 6x 18 V or 3x 36 V battery, 3 slide battery trays with EBB (External Breaker Box), SR-E1 service receptacle & tamper switch
DHT3-120-60-L	DOCSIS 3.0 transponder for 120 VAC, 60 Hz input, 5-42 MHz return (with battery monitoring harness)
DHT3-120-60-L-NBH	DOCSIS 3.0 transponder for 120 VAC, 60 Hz input, 5-42 MHz return (without battery monitoring harness)
DHT3-240-50-E	EuroDOCSIS 3.0 transponder for 220/240 VAC, 50 Hz input, 5-65 MHz return (with battery monitoring harness)
DHT3-240-50-E-NBH	EuroDOCSIS 3.0 transponder for 240 VAC, 50 Hz input, 5-65 MHz return (without battery monitoring harness)
DHT3-240-50-L	DOCSIS 3.0 transponder for 220/240 VAC, 50/60 Hz input, 5-42 MHz return (with battery monitoring harness)
DHT3-240-50-L-NBH	DOCSIS 3.0 transponder for 220/240 VAC, 50/60 Hz input, 5-42 MHz return (without battery monitoring harness)

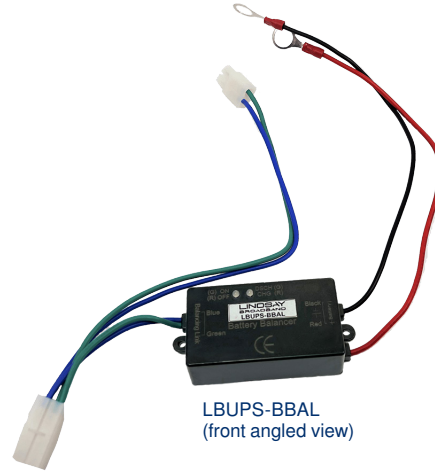
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ORDERING INFORMATION CONT'D.

Part #	Description
Optional Accessories Cont'd.	
DHT3M-120-60-L	DOCSIS 3.0 transponder for 120 VAC, 60 Hz input, 5-85 MHz return (with battery monitoring harness)
DHT3M-120-60-L-NBH	DOCSIS 3.0 transponder for 120 VAC, 60 Hz input, 5-85 MHz return (without battery monitoring harness)
DHT3M-240-50-L	DOCSIS 3.0 transponder for 220/240 VAC, 50/60 Hz input, 5-85 MHz return (with battery monitoring harness)
DHT3M-240-50-L-NBH	DOCSIS 3.0 transponder for 220/240 VAC, 50/60 Hz input, 5-85 MHz return (without battery monitoring harness)
DTA-BC-NA-01	Battery monitor cable for up to 2 strings, includes battery compartment temperature sensor
DTA-BC-NA-04	Battery monitor cable for battery strings 3 & 4
BCK-PME3	Battery cable kit for 3x 12 V or 2x 18 V batteries (1 string), includes 2x MD-BCK-050-00 0.5 m (1.5') battery interconnect cables
BCK-PME6	Battery cable kit for 6x 12 V, 4x 18 V or 2x 36 V batteries (2 strings), includes 4x MD-BCK-050-00 0.5 m (1.5') battery interconnect cables, 1x MD-BCK-120-00 1.2 m (3.9') string interconnect cable
BCK-PME9	Battery cable kit for 9x 12 V, 6x 18 V or 3x 36 V batteries (3 strings), includes 6x MD-BCK-050-00 0.5 m (1.5') battery interconnect cables, 2x MD-BCK-120-00 1.2 m (3.9') string interconnect cables
MD-BCK-050-00	Battery interconnect cable (red): 0.5 m (1.5') with ring terminals
MD-BCK-120-00	String interconnect cables (red & black): 1.2 m (3.9') cables with ring terminals
BCK-MD0110	Replacement main battery cables (red & black): 1 m (3') with Anderson Powerpole PP75 connectors
LBUPS-BBAL	12 VDC, 3 A battery balancer/equalizer for lead-acid, AGM, GEL or LiFePO4 batteries
4008-171	75 Ω, 20 A hardline flex jumper, female KS to male KS, 30" long



4008-171
(front view)



LBUPS-BBAL
(front angled view)