

Quasi-square wave network standby UPS power supplies



TXUPS 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.



TXUPS-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, wall and ground 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 single or dual IP options
- Integrated web server for status monitoring
- Local diagnostics
- Temperature-hardened
- Built-in spectrum analyzer
- FCC / IEEE / RoHS compliant



NOMINAL SPECIFICATIONS

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

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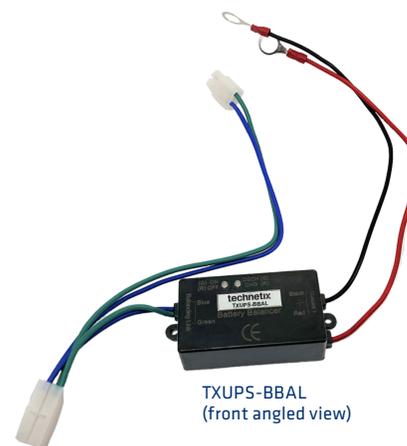
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GENERAL SPECIFICATIONS

| 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 | Graphical 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) |
| Certifications | | Standards |
| Europe | LVD | EN 62368-1: 2014 +A11 |
| | EMC | EN 55032, EN 55035. Also including as reference: EN61000-3-2:2014, EN 61000-3-3:2013, EN 61000-4-2:2009, EN 61000-4-3:2006 +A1:2008 + A2:2010, EN61000-4-4:2012, EN 61000-4-5:2014 +A1:2017, EN61000-4-6:2014, EN 61000-4-8:2010, EN 61000-4-11:2004 +A1:2017 |
| | RoHS | RoHS3, Directive 2015/863 (EU) |
| North America | cTUVus | UL 62368-1: 2019 R10.21 CSA C22.2 NO.62368-1-19 |
| | FCC | FCC PART 15b |
| | TSCA | RoHS is not applicable in North America. Instead, it's Toxic Substances Control Act (TSCA) |
| | RoHS (supplementary) | RoHS3, Directive 2015/863 (EU) |



LSPI-SM
(front angled view)



TXUPS-BBAL
(front angled view)



4008-171
(front view)

ORDERING INFORMATION

| Item Code | Model Code | Description |
|-----------|-----------------|--|
| 19016420 | TXUPS-900-L120 | 900 VA quasi-square wave standby power supply with 120 VAC 60 Hz input, 63/89 VAC output, 36 VDC inverter |
| 19016421 | TXUPS-900-L220 | 900 VA quasi-square wave standby power supply with 220 VAC 50 Hz input, 63/89 VAC output, 36 VDC inverter |
| 19016422 | TXUPS-900-SEL | 900 VA quasi-square wave standby power supply with 120/220 VAC 60 Hz input, 63/89 VAC output, 36 VDC inverter |
| 19016417 | TXUPS-1350-L120 | 1350 VA quasi-square wave standby power supply with 120 VAC 60 Hz input, 63/89 VAC output, 36 VDC inverter |
| 19016418 | TXUPS-1350-L220 | 1350 VA quasi-square wave standby power supply with 220 VAC 50 Hz input, 63/89 VAC output, 36 VDC inverter |
| 19016419 | TXUPS-1350-SEL | 1350 VA quasi-square wave standby power supply with 120/220 VAC 60 Hz input, 63/89 VAC output, 36 VDC inverter |

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| Item Code | Model Code | Description |
|-----------------------------|--------------------|---|
| Optional Accessories | | |
| 19204199 | TXUPS-LAM-2 | Replacement lightning arrester plug-in module (installed on PDM PCB for TXUPS delivered June, 2019 onwards) |
| 19204200 | TXUPS-LIR-1 | Replacement line isolation relay plug-in module for TXUPS |
| 19201064 | 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 |
| 19201065 | 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 |
| 19203618 | 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 |
| 19204251 | LPME-HMB | Square D Q02L70RB 1-phase, 2-circuit load center with Q0120HM 1-pole, 120 VAC, 20 A high magnetic breaker for LPME series |
| 19204375 | LPME-GMK | LPME series ground mounting kit |
| 19204403 | LSPI-SM | Status monitoring power supply interface |
| 19200711 | DHT3-120-60-L | DOCSIS 3.0 transponder for 120 VAC, 60 Hz input, 5-42 MHz return (with battery monitoring harness) |
| 19203267 | 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) |
| 19200712 | 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) |
| 19200713 | 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) |
| 19204365 | DHT3M-240-50-E | EuroDOCSIS 3.0 single IP transponder for 220/240 VAC, 50 Hz input, 5-85 MHz return (with battery monitoring harness) |
| | DHT3M-240-50-E-NBH | EuroDOCSIS 3.0 single IP transponder for 220/240 VAC, 50 Hz input, 5-85 MHz return (without battery monitoring harness) |
| 19204247 | DHT3D-240-50-E | EuroDOCSIS 3.0 dual IP transponder for 220/240 VAC, 50 Hz input 5-65 MHz return (with battery monitoring harness) |
| | DHT3D-240-50-E-NBH | EuroDOCSIS 3.0 dual IP transponder for 220/240 VAC, 50 Hz input 5-65 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 |
| 19200707 | 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 |
| 19200708 | 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 |
| 19200709 | 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 |
| 19201004 | TXUPS-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 |