

# Power

## FlexPoint™

1230 Series Indoor 12VDC 30W UPS



- Telecommunications grade power system provides 30W of 12Vdc primary and standby power for FTTx activities
- Customer replaceable, hot swappable 7.2Ah or optional 12Ah battery
- Emergency battery reserve for greater E911 availability
- Battery management system provides optimum service life and runtime
- Local visual and audible status indicators and remote alarm interface
- Coax F-style and packet cable interface options

Alpha extends its FlexPoint family with the addition of the 1230 series, a telecommunications grade optical network terminal power supply providing 30W of 12Vdc primary and standby power for FTTx actives. The FlexPoint 1230 meets the telecommunications industry's most stringent requirements for uncontrolled environments while providing an aesthetically pleasing solution for sheltered environmentally uncontrolled residential installations. It includes onboard microprocessor based firmware engineered to achieve maximum battery life, system reliability and emergency battery reserve for greater E911 service availability. Unlike other standby power supplies that discharge the battery to the low voltage disconnect point, the FlexPoint 1230 reserves 25 percent battery power, enabling activation for emergency telephone calls in extended power outage situations. Standby power is provided by one 7.2Ah or optional 12Ah battery model. User interfaces include visual status indicators, audible alarm and 24 hour silence button and an auxiliary 12Vdc power input port supporting longer standby runtimes.

# FlexPoint 1230

## Specifications

### Input OPS

AC Input Voltage: 120Vac or 240Vac  
 AC Input Frequency: 50/60Hz  
 Surge Protection: ANSI/IEEE Std. C62.41 to Category A, B, or C requirements, using a "Ring Wave" or "Combination" waveform, at a level of 6kV

### Output

Operational Output Power: 30W max. continuous (ONT load + battery charge + heater\*)  
 Output Voltage: 12Vdc Nominal (Battery voltage upon loss of AC)  
 Output Power Loading: Following GR-909 telephone lines in various states, e.g., ringing, off-hook, on-hook, data, and video operation requirements  
 Auxiliary Input Voltage: 10.5 to 16.5Vdc

### Physical

Housing size (in/cm): 8.75W x 7.75H x 3.0D/22.4W x 17.7H x 7.62D  
 Weight (lb/kg): 3/1.4  
 Battery 7.2Ah (lb/kg): 5.7/2.6  
 Battery 12Ah (lb/kg): 8.4/3.8

### Battery

Battery Type: Maintenance free, leak-proof, sealed VRLA (valve regulated lead acid)

### Visual Indicators

System: Green LED Power is available at the output (AC, battery or auxiliary)  
 Battery: Green LED Battery discharging to 25% SOC (main or auxiliary)  
 Green Flash At 40% SOC (main battery) the indicator begins to flash  
 Red LED Battery not present or failed self test  
 Auxiliary Power Source: Green LED Valid auxiliary power source connected

### Audible Status Indicators

Loss of Input Power: Single, one second chirp  
 Low Battery: Single chirp every 15 seconds at 40% SOC  
 Replace Battery: Double chirp spaced fifteen minutes apart

### Push Buttons

Silence Alarm: Suppresses the audible alarm for 24 hours  
 Battery Emergency Use: Accesses reserve battery capacity

### Agency Compliance

System: FCC part 15 Class B, CSA-NRTL\IC (CSA60950), CE, C-Tick, RoHS to EU 2002/95/EC, Seismic Zone 4 rated per GR-63

### Environment

Storage Temperature: -40° to 131°F (-40° to 55°C)  
 Operating Temperature:  
 Without Heater: -4° to 127°F (-20° to 55°C)  
 With Heater: -22° to 127°F (-30° to 55°C)  
 Note: Operating temperatures based on AX-LONGBAT-7.

Humidity: 0 to 95%  
 Elevation Operation Max.: 10000ft (3000m) Derate at 2°C per 1,000 ft above 6,000 ft  
 Elevation Storage Max.: 50000ft (15000m)

### Interface

DC Output: Removable Screw Terminal Plug accepts seven (2) 16AWG and (7) 24AWG wires  
 Coax F connector POS center (no remote alarms supported)  
 3.5mm (OD), 1.3mm (Pin, positive) coaxial barrel connector  
 AC Input: IEC320/C6 Receptacle  
 Line Cord: NEMA 1-15 to IEC 320 C5 (Other cords available upon request)

### Warranty

FlexPoint 1230: 3 years repair or replace  
 Batteries Available: 1 year or 3 year

### Models

FP1230-01A 120Vac 3-Conductor NEMA 5-15 Power Cord  
 FP1230-02B 240Vac 3-Conductor Schuko Input Power Cord  
 FP1230-02C 240Vac 3-Conductor United Kingdom Input Power Cord  
 FP1230-02D 240Vac 3-Conductor Australia/New Zealand Input Power Cord  
 FP1230F-01A 120Vac 3-Conductor NEMA 5-15 Power Cord F Connector

### Supporting Options

AX-STDBAT-7 Battery 7.2AH AGM, 1 year warranty  
 AX-LONGBAT-7 Battery 7.2AH AGM, 3 year warranty  
 AX-STDBAT-12 Battery 12AH AGM, 1 year Warranty  
 FP1230-CVR FlexPoint 1230 12AH battery cover with strap  
 FP1230-HK FlexPoint 1230 heater Kit  
 FTTH-CBL ONT hook-up cable, 2x16AWG and 5x24AWG, CMX UL listed  
 AUX-CBL Cable, auxiliary power Plug 3.0m Long



ONT Packet Cable Interface



Coax F-Style Interface



FlexPoint 1230  
 Shown with cover removed, battery, auxiliary power cable and NID hook-up cable

For contact information visit [www.alpha.com](http://www.alpha.com)

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