FlexPoint™ FTTH UPS Power Series

FP1215, FP1232 & FP1250 Indoor 12VDC 15W, 32W & 50W UPS

FP1215 & **FP1232** with 5 to 8Ah battery

FP1215, **FP1232** & **FP1250**
with 12Ah battery

➤ Telecommunications grade power system provides 15W, 32W & 50W of 12VDC UPS power for FTTH applications

➤ Replaceable, 5Ah to 12Ah battery

➤ Battery management system provides optimum service life and runtime

➤ Local visual and audible status indicators and remote alarm interface

➤ Packet Cable™ interface options

Alpha extends its FlexPoint family with the addition of the FlexPoint FP1215, FP1232 & FP1250 telecommunications grade optical network terminal power supplies providing 15W, 32W or 50W of 12VDC primary and standby power for FTTH applications.

The FlexPoint 1215, 1232 & 1250 meet the telecommunications industry's most stringent requirements while providing aesthetically pleasing solutions for indoor residential installations. Both include onboard microprocessor based firmware engineered to achieve maximum battery life and system reliability.

Standby 12V power is provided by a 5 to 12Ah battery option, optimized by a battery management system. User interfaces include visual status indicators, audible alarm, a startup button and a multi-function silence button.

FlexPoint™ 1215, 1232 & 1250 Specifications

Input OPS

AC Input Voltage:	110Vac or 240Vac
AC Input Frequency:	50/60Hz

Surge Protection:	Standard	Level
	Telcordia GR-1089 ANSI/IEEE C62.41 IEC 61000-4-5	1.2x50µs combination wave, 2kV

Output

	FP1215	FP1232	FP1250
Operational Output Power (ONT Load):	15W max. continuous	32W max. continuous	50W max. continuous
Output Voltage:	12VDC nominal (battery voltage upon loss of AC)		

Mechanical

	FP1215	FP1232	FP1250
Unit Dimensions for 5, 6.5, 7.2 or 8Ah Battery L x W x D (in/mm):	6.6 x 7.5 x 3.2 / 167.6 x 190.5 x 83.3	6.6 x 7.5 x 3.2 / 167.6 x 190.5 x 83.3	—
Unit Dimensions for 12Ah Battery L x W x D (in/mm):	—	6.6 x 7.5 x 4.3 / 167.6 x 190.5 x 109.3	6.6 x 7.5 x 4.3 / 167.6 x 190.5 x 109.3
Weight Without Battery (lb/kg):	1.2 / 0.54	1.3 / 0.58	1.4 / 0.63
5.0Ah Battery Weight (lb/kg):	3.9 / 1.8		
7.2Ah Battery Weight (lb/kg):	5.7 / 2.6		
8.0Ah Battery Weight (lb/kg):	5.73 / 2.7		
12Ah Battery Weight (lb/kg):	8.4 / 3.8		

Estimated Battery Runtimes

	FP1215		FP1232		FP1250	
	7.5W Load	**15W Load**	**16W Load**	**32W Load**	**36W Load**	**50W Load**
5.1Ah Battery (hrs):	6.3	2.8	2.5	1.1	0.9	0.7
7.2Ah Battery (hrs):	9.9	4.2	3.9	1.6	1.4	1.0
8.0Ah Battery (hrs):	11.2	5.0	4.7	2.0	1.7	1.1
12Ah Battery (hrs):	17.3	8.0	7.5	3.3	2.9	2.0
Battery Type:	Maintenance free, leak-proof, sealed valve regulated lead acid (VRLA)					

Visual Indicators

AC Power:	**Green LED On:** AC power present and powering the ONT
Battery:	**Green LED On:** Battery powering ONT during AC loss **Green Flashing:** Battery powering ONT during AC loss and running low
Replace Battery:	**Red LED Off:** Battery present and working correctly **Red LED On:** Replace battery / battery missing
Muted Indicator:	**Green LED Light:** Audible alarm is muted

Audible Status Indicators

Loss of Input Power:	Single, one second chirp
Low Battery:	Single chirp every 15 seconds at 25% SOC
Replace Battery:	Double chirp spaced fifteen minutes apart

Push Buttons

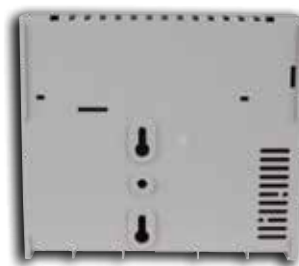|	
DC Start:	Press and hold when unit is off to start up on battery when AC is not present
Silence Alarm:	When any audible alarm is on, press this key at least 1 second and release to silence the audible alarm until power is cycled

Agency Compliance

System:	FCC part 15 Class B, NRTL\C (60950-1), CE, C-Tick/RCM, RoHS to EU 2011_65_EC

Environment

Storage Temperature:	-20 to 45°C / 4 to 113°F
Operating Temperature:	-20 to 45°C / 4 to 113°F
Humidity:	5 to 95% non condensing
Elevation Operation Maximum:	3,000m / 10,000ft derate at 2°C / 35.6°F per 304.8m / 1,000ft above 1,828.8m / 6,000ft
Elevation Storage Maximum:	15,000m / 50,000ft

Interface

DC Output:	Removable screw terminal plug accepts (2) 16AWG and (5) 24AWG wires
AC Input:	IEC 320/C6 inlet
Line Cord:	NEMA 5-15 to IEC 320 C5 (other power cords available upon request)

Models and Power Line Cords

FP1215	FP1232	FP1250	**Power Line Cord** (Determined by Model)
FP-1215-5A	FP-1232-8A	FP-1250-12A	120VAC 3-conductor NEMA 5-15 power cord
FP-1215-5B	FP-1232-8B	FP-1250-12B	230VAC 3-conductor Schuko input power cord
FP-1215-5C	FP-1232-8C	FP-1250-12C	230VAC 3-conductor United Kingdom input power cord
FP-1215-5D	FP-1232-8D	FP-1250-12D	240VAC 3-conductor Australia/New Zealand input power cord
—	FP-1232-8-6C	FP-1250-12-6C	120VAC 3-conductor NEMA 5-15 power cord with BC cable

Supporting Options

AX-STDBAT-5:	Battery 5.1Ah AGM, 1 year warranty
AX-STDBAT-7:	Battery 7.2Ah AGM, 1 year warranty
AX-LONGBAT-7:	Battery 7.2Ah AGM, 3 year warranty
AX-LONGBAT-8:	Battery 8.0Ah AGM, 3 year warranty
AX-STDBAT-12:	Battery 12Ah AGM, 1 year warranty
FTTH-CBL:	ONT hook-up cable, 2x16AWG and 5x24AWG, CMX UL listed
12Ah Cover:	12Ah battery cover and velcro strap

Rear View
Mounting hole pattern options

Output Cable Connection