Uninterruptible Power Supply

(DUPS-1215)

(GES150W12V0001)

Description

Over the past couple of years, there has been a revolution in telecommunication technology. That is the Fiber Termination equipments associated with the FTTx technology.

FTTx is the access network infrastructure that enables full triple play to deliver voice, data and video for the connected home or business. FTTx changes the way we live, work and play. Moreover, FTTx not only needs backup power to prevent utility power failure, but also supports making emergency calls (Ex: 911) for help.

Delta DUPS-1215 is a specified backup power system designed to meet the requirements for basic ONT, signal family unit –SFU and power on FTTx applications. The power system integrates AC/DC circuit, lightning protect device, and battery backup power (use of 12V/ 4.5Ah battery) into one compact enclosures. It provides the output of 15W (+12V/ 1.25 A DC output) with features of wide input voltage range, user-friendly interface and wide ambient environment. It is suitable for FTTx, xDSL, RG and Wimax applications.

Main features

- Up to 15W Output, peak 24W for 2 seconds.
- User-friendly interface -Dry Contact Communication.
- Wide input voltage range - 90 ~ 264Vac.
- Wall Mount and Desktop design for easy Installation.

Applications (Backup Power Supply – DC UPS)

- Optical Network Terminal (ONT)- GPON & BPON
- Asynchronous Digital Subscriber Line (ADSL)
- WiMax, Residential Gateway (RG)

... and other CPE fiber equipments

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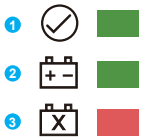
Technical Specifications		
Normal Mode Input Operation	Input Voltage Range	90 ~ 264 Vac
	Input Frequency	47 ~ 70 Hz
	Input Surge Protection	IEC1000-4-5 @ Level 2
Normal Mode Output	Output Voltage	13.6 ± 5% Vdc
	Ripple & Noise	Ripple : ≦ 120 mV rms Noise : ≦ 200 mV Peak-Peak
	Output Current	1.5A Max
	Output Power	15W Continuously / peak 24W for 2 seconds
	Efficiency	≧ 77% @ 115/230Vac Full Load (With Full Battery Capacity)
Backup Mode Output	Voltage, Nominal	10~13.6 ± 5% Vdc
	Ripple & Noise	Ripple : ≦ 120 mV rms Noise : ≦ 200 mV Peak-Peak
	Output Current	1.5A Max
	Output Power	15W Max
	Efficiency @ Full Load	≧ 88%
	Backup Time	- 15W load ≧ 2 hrs - 8W load ≧ 4 hrs
Battery Information	Battery Type	VRLA 12V/4.5Ah
	Battery Charger Voltage @ 25°C	13.6 ± 5% Vdc
	Battery Shutdown Voltage	10.5 ± 3% Vdc
Unit Protection	Output Short Circuit Protection	Shutdown @ Non - Latch
	Output Overload Protection	≧ 2.2 A ± 10 % Shutdown @ Non - Latch
	Output Overvoltage Protection	> 15.5Vdc ± 5 % @ Transfer to battery until 10.5 V Shutdown
LED Indicator Information	AC Mode	Green LED (1) Light
	Battery Backup Mode / Low Battery	Green LED (2) Light / Flash
	Replace Battery / Battery Missing	RED LED (3) Light
Interface Signal Information	On Battery	Open @ power is being taken from the battery
	Replace Battery	Open @ the battery fails self - test
	Battery Missing	Open @ the battery is missing or open circuit
	Low Battery	Open @ the battery is near ~ 45% capacity
Regulatory Approvals	Safety Agency	UL 60950 - 1, CAN / CSA - C22.2 No. 60950 - 1, IEC 60950 - 1, EN 60950 - 1,CB
	EMC	FCC Part 15 Class B, CE EN55022(CISPR 22) Class B, C-Tick (AS/ NZS CISPR 22) Class B, EN 300386 - 1 Class B
Environment	Operating temperature	-10 ~ +45°C
	Operating Humidity	0 ~ 95 % RH (Non - condensing)
	Storage Temperature	-20 ~ +50°C
	Storage Humidity	0 ~ 95 % RH (Non - condensing)
	Altitude	0 ~ +10000 Feet
Physical Information	Input Inlet	IEC320 / C6 3-prong
	Output Connector	Din 9 pins (MD-09R-02) connector
	Weight @ without Battery	0.45 kg / 1lb
	Dimension (H × W × D) (mm/ inch)	185 × 107 × 85 mm (7¼ × 4¼ × 3¼ inch)
Order Information	DC UPS 1215 Unit	GES150W12V0001
	AC Power Cord Options	USA (NEMA 5-15P) (8 ft) UK (BS1363) (6 ft) FR/GE (CEE 7/7) (6 ft) AU (AZ/NZS3112) (6 ft)

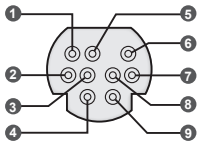
* The specification selection of input power cord may vary in different countries.
** Design and specifications are subject to change without notice.

Exterior Back View



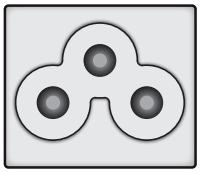
Control Panel

1. SYSTEM STATUS
2. BATTERY POWER
3. REPLACE BATTERY



Din 9-Pin Connector

1 2 + 12_IN
3 SIGNAL_RTN
4 5 GND
6 LOW_BATT
7 MISSING_BATT
8 BATT_FAILURE
9 ON_BATT



IEC320 /C6 Inlet

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