

DC UPS USER GUIDE

FA-UPS-12V-7AH-DC



FARBER

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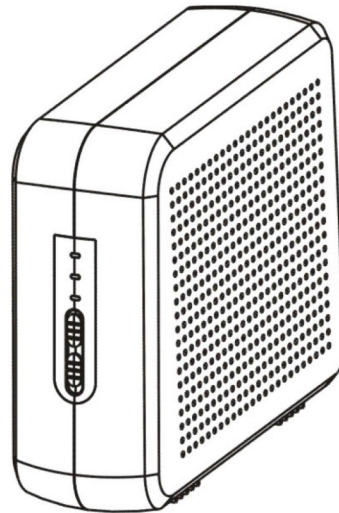
Precision Telemetry & Network Systems DC UPS

1. DC UPS Series Key Features

Designed to support:

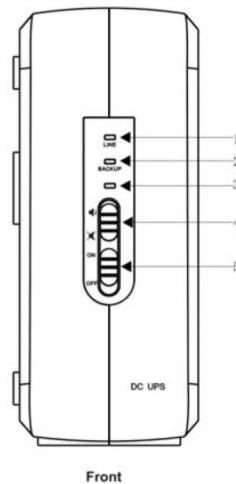
Cable Telephony
Wireless Local Loop (WLL)
Fiber to the Home (FTTH)
Fiber to the Curb (FTTC)
Integrated Access Devices (IAD)
Voice over IP Sets
Voice over DSL

Easy, User-replaceable, Easy-swappable
Battery Cold-start Capable
Microprocessor-based, Intelligent Control
Optional Extended Runtime
Universal Input Voltage
Wall mount Capability



2. Appearance

- 1) **LINE** indicator
- 2) **BACKUP** indicator
- 3) **FAULT** indicator
- 4) **MUTE** Switch
- 5) **ON/OFF** Switch



Front

Included cables:

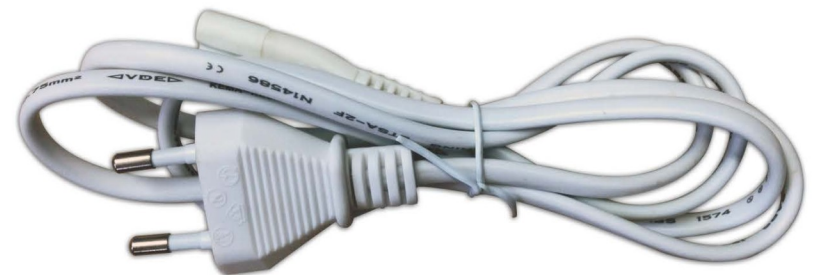
- 1- POE cable.



- 2- One to two DC cable



- 3- AC plug cable.



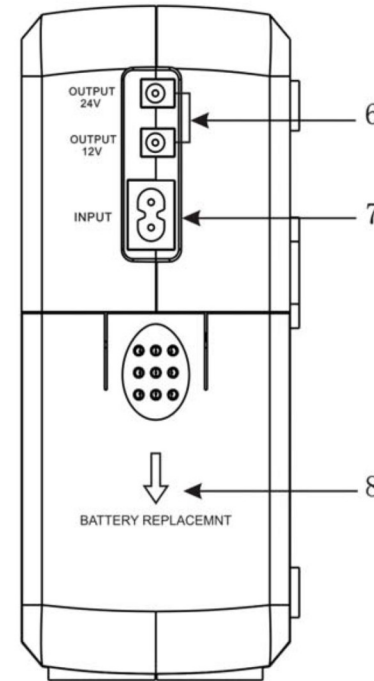
12. Status indicator

Status	Buzzer	Indicator
Line Mode	No Sounding	LINE lighting
Battery Mode	Sounding every 10 seconds	BACKUP flashing every 10 seconds
Fault Mode	Continuously Sounding	FAULT lighting
Low Battery	Sounding every 1 second	BACKUP flashing every 1 second FAULT lighting
Overload 110%	Line Mode & Battery Mode: Sounding every 0.5 second	Line Mode: LINE flashing every 0.5 second Battery Mode: BACKUP flashing every 0.5 second
Overload 120%	Line Mode: Continuously Sounding Battery Mode: (Shutdown immediately)	Line Mode: FAULT lighting Battery Mode: (Shutdown immediately)

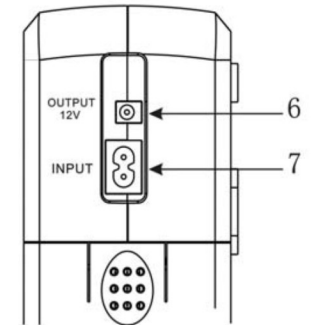
TROUBLE SHOOTING

Symptom	Possible Cause	Remedy
No LED display on the front panel.	1. Battery weak.	1. Charge battery up to 8 hours.
	2. Battery defect.	2. Replace with the same type of battery.
	3. Power switch is not pressed.	3. Press the power switch again.
Alarm buzzer beeps continuously when AC supply is normal.	Overload of the UPS.	Verify that the load matches the UPS capability specified in the specs.
When power failure, back-up time is shorten.	1. Overload of the UPS.	1. Remove some non-critical load.
	2. Battery voltage is too low.	2. Charge battery 8 hours or more.
	3. Battery defect due to high temperature operation environment, or improper operation to battery.	3. Replace with the same type of battery.
Mains normal but Yellow LED is flashing.	Power cord is loose.	Reconnect the power cord properly.

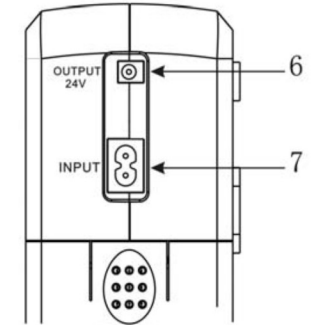
6) DC Output socket 7) AC Input socket 8) Battery cover



**Back
12V & 24V Model**



**Back
12V Model**



**Back
24V Model**

3. DC Applications

Through the World, educational, corporate, and residential users are shifting the technology base of their telephone, network and multimedia requirements to infrastructures that require the support of DC power solutions. Precision UPS, in a leading effort to support these shifts in technology requirement is introducing its first DC UPS product with all the features and support our customers have come to expect from our history of AC-powered UPS products.

Precision Telemetry & Network Systems DC UPS

4. Protect Your Investment

DC UPS Series offers a cost-effective solution to powering IP Telephony, Fiber-based communication, and other DC based customer premise equipment (CPE). Within these high-bandwidth networks, DC UPS provides a local backup power solution at a significantly lower cost to the user than traditional CO-based UPS support devices. Locating the DC UPS indoors also dramatically. Reduces the cost of ownership by extending the life time of the hot-swappable batteries over traditional outdoor battery-based solutions.

5. Emergency Battery Support

AS industries adapt to IP-based Telephony and Fiber-based integrated access devices, providing power reliability during short, or extreme, blackout conditions is essential. Communication over these protocols will require power backup for emergency services. Without users will not have access to emergency services or to any other outside communication until power is restored.

6. Input

Voltage Range	85~280VAC (Half Load @ 85~160VAC)
Frequency Range	47~70Hz

7. Output

Rated Current & Voltage	12V&24V Model: 1A@12VDC+1A@24VAC 12V Model: 3A@12VDC 24V Model: 1.5A@24VDC
Maximum Output Power	36W
Efficiency	>75%
Transfer time	0ms

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8. Battery

Type	12V sealed, Lead-acid maintenance free
Capacity	default 12V/7AH for optional 12V/9AH or 12V/4.5AH
Recharge time	4-6 hours to 90% after completely discharged
Backup time	1.0Hr full load (12V/7AH)

9. Indicator

Line Mode	LINE indicator
Battery Mode	BACKUP indicator
Fault Mode	FAULT indicator

10. Protection

Line Mode & Battery Mode	Output Current Limit / Overload / Short
Line Mode	Input surge protection / Overcharge protection
Battery Mode	FAULT indicator

11. Environment and Physical

Storage Temperature	-15~45C
Operating Temperature	0~40C
Net Dimension(w*d*h)	260*216*91mm