




MODEL NUMBERS:
PP75L-12P - 12 VDC
PP75L-48P - 48 VDC

Review the following important safety warnings to avoid bodily injury or damage to equipment during installation or operation of the device. Read ALL instructions before attempting to install or operate this device.

 Equipment must be installed in area of free circulating air. Do not install under or near objects that may disturb air flow

CONTENTS OF DESKTOP PRO PACKAGE

Optional: (1) Li-Ion Battery Module(s) - Precision Power PN: PP36L-12EX

MICRO UPS is designed and intended for use as a Desktop or Wall-Mount uninterruptable 12Vdc or 48Vdc power supply and battery backup device for 12Vdc or 48Vdc CPE Equipment (i.e. ONT, Router, Access Point). The MICRO UPS not only provides constant supply of DC power during normal operating conditions, but offers battery backup power in case of electrical power outage when partnered with Precision Power Li-Ion Battery Modules.

The diagram shows the front panel of the Precision Power 1000Watt UPS. The controls are as follows:

- BATTERY**: A row of four indicator lights, labeled 1 through 4.
- HAUTE**: A single indicator light, labeled 5.
- DC**: A single indicator light, labeled 6.
- SYSTEM STATUS**: A row of three indicator lights, labeled 7 through 9.

4	SYSTEM STATUS	Color-Green	Receiving AC power load to operate under normal conditions
3	DC	Color-Green	Working off Battery
2	Mute	Color-Yellow	"Flashing"- Audible Alarm Silenced for 24 hrs, "Solid"- Audible Alarm silenced until manually enabled again.
1	Battery	Color-Red	Service or replace battery, or battery missing

5	ALARM SILENCE	Disables Audible Alarm Function. Press and release to disable Audible Alarm for 24 hours. Press and hold for 15 seconds to disable Audible Alarm indefinitely. Press and hold for another 15 seconds in order to re-enable Audible Alarm function.
6	COLD START	Allows Desktop Pro capability to restart and restore standby power with new battery or to use reserve standby power on existing battery when in AC line power outage for extended time.
7	N.I.R.	Network Interface Reset (N.I.R.) - Allows for DC line power reset of Optical Network Terminal. Press and hold for 3 seconds to reset/reboot ONT or CPE device.

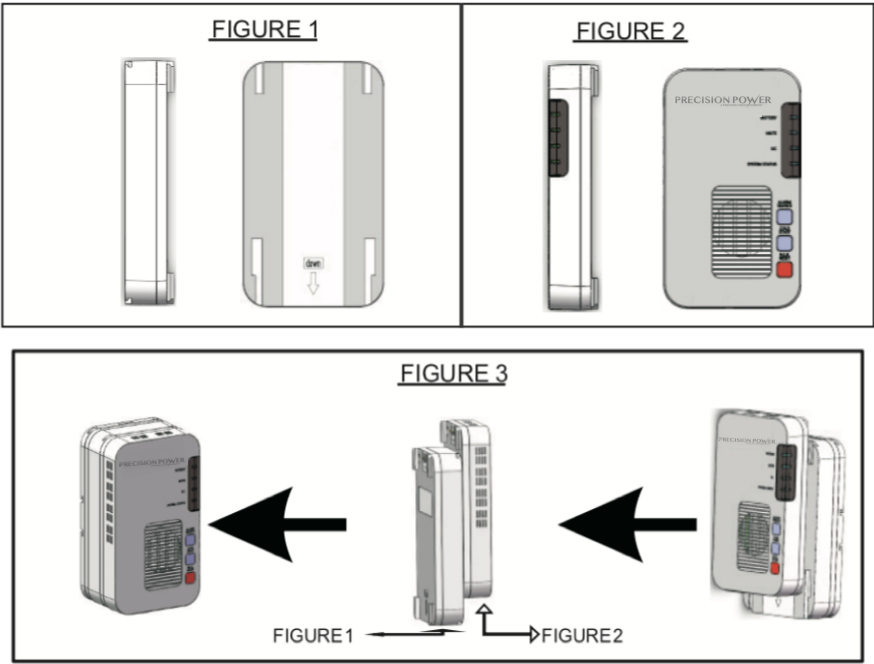
STATE	VISUAL INDICATOR	AUDIBLE INDICATOR	DESCRIPTION
NORMAL	System Status Indicator "ON"	System Status Indicator "ON"	Operating under normal AC line power load and conditions.
ON Battery	DC Indicator "ON"		AC line power failure or AC cord disconnection. Desktop Pro is being supplied with battery power.
Replace Battery	Battery Indicator "ON"	1/2 second indicator every 15 minutes	Replace faulty or end of life battery
Battery Missing	Battery Indicator "ON"		Operating on AC line power only without available battery backup for outage scenario. When battery is removed from unit, battery indicator will illuminate after 15 seconds.
Low Battery	DC Indicator Flashes	1/2 second audible indicator 4 times per minute	Battery has reached equal to or less than 45% remaining capacity on battery discharge

MODEL: PP36L-12P.		12Vdc
AUDIBLE ALM	VISUAL ALM	TELEMETRY ALM
YES	YES	YES

MODEL: PP36L-48P		48Vdc
AUDIBLE ALM	VISUAL ALM	TELEMETRY ALM
YES	YES	YES



INSTALLATION







- PROCEDURE:**
- A. Slide MICRO UPS Battery Pack (FIGURE 1) onto MICRO UPS Power Supply (FIGURE 2) until MICRO UPS Battery Pack becomes fully flush with the top of the MICRO UPS Power Supply. You should hear a "click" when the MICRO UPS Battery Pack is fully seated.
 - B. Connect provided AC Power Cord to AC Input Connector on bottom of the MICRO UPS Power Supply.
 - C. Connect 3 Prong AC Power Cord Plug End into standard 3 Prong AC Receptacle rated for NEMA 5-15 3 Prong AC Plug.
 - D. Verify "System Status" LED is "On" with Green illumination.
 - E. Connect MICRO UPS to ONT (Optical Network Terminal) or other CPE Device.
 - F. Ensure "System Status" LED is the only illuminated LED on the MICRO UPS. If any additional LEDs are illuminated recheck the MICRO UPS Battery Pack to make sure it is fully seated and ensure that all wiring from the MICRO UPS to ONT is installed correctly as listed by ONT specific instructions.

BATTERY REPLACEMENT

As long as AC line power is available, the MICRO UPS can resume operation while the battery pack is replaced

Procedure: Remove the MICRO UPS Battery Pack by sliding off in opposite direction of installation(FIGURE 3) and follow "Installation Step A." above for installing new MICRO UPS Battery Pack.

NOTE: Please follow all State, Federal, and International Regulations when disposing or recycling Li Ion Battery Pack.

WARNINGS - Li Ion Battery Pack	
	DO NOT DISASSEMBLE BATTERY PACK
	DO NOT DISPOSE OF IN FIRE
	CHARGE ONLY WITH SPECIFIED CHARGER
	DO NOT STORE IN TEMPERATURE OVER 65C

FCC NOTICE

This equipment has been tested and found to comply with the limit for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with these instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: (1) Reorient or relocate the receiving antenna. (2) Increase the separation between the equipment and receiver. (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. (4) Consult the dealer or an experienced radio/TV technician for help

CAUTION: Any changes or modifications could void the authority granted by FCC to operate this equipment

NOTE: Precision Power reserves the right to change or correct the contents of this document and does not assume any responsibility for omissions or errors.

TECHNICAL SPECIFICATION - MODEL: PP75L-12P	
INPUT	
Voltage Range	100Vac - 240Vac
Frequency Range	50/60Hz
Input Power Cord	NEMA 5-15 / 3 Prong Power Cord
Input Ground Reference	Earth Grounded
OUTPUT - ON AC	
Output Voltage	12Vdc (Nominal)
Continuous Power Capacity	6.25A (75W)
OUTPUT - ON BATTERY	
Output Voltage	12Vdc (Nominal)
Continuous Power Capacity	6.25A (75W)
BATTERY (NOT INCLUDED)	
Battery Type	Li Ion Battery Module (up to 4 modules)
Design Life	10 Years
Battery Module Capacity	14.8V/5200mAH
Typical Recharge Time	<8 hrs per battery module
Replaceable	Yes
SURGE PROTECTION	
Lightning/Surge Protection	IEC 61000-4-5 2005 LEVEL D
MANAGEMENT	
Battery Auto-Charge	Yes
Telemetry Alarming	Yes
Local Alarming (Audible/Visual)	Yes
Alarm Silence	Yes
ONT Reset	Yes
Cold Start	Yes
PHYSICAL	
Maximum Dimensions (L x W x D)	
Weight (lb)	
ENVIRONMENT	
Operating Temperature	
Operating Humidity	
Max Operating Elevation	
Storage Temperature	

TECHNICAL SPECIFICATION - MODEL: PP75L-48P	
INPUT	
Voltage Range	100Vac - 240Vac
Frequency Range	50/60Hz
Input Power Cord	NEMA 5-15 / 3 Prong Power Cord
Input Ground Reference	Earth Grounded
OUTPUT - ON AC	
Output Voltage	48Vdc (Nominal)
Continuous Power Capacity	1.56A (75W)
OUTPUT - ON BATTERY	
Output Voltage	48Vdc (Nominal)
Continuous Power Capacity	1.56A (75W)
BATTERY (NOT INCLUDED)	
Battery Type	Li Ion Battery Module (up to 4 modules)
Design Life	10 Years
Battery Module Capacity	14.8V/5200mAH
Typical Recharge Time	<8 hrs per battery module
Replaceable	Yes
SURGE PROTECTION	
Lightning/Surge Protection	IEC 61000-4-5 2005 LEVEL D
MANAGEMENT	
Battery Auto-Charge	Yes
Telemetry Alarming	Yes
Local Alarming (Audible/Visual)	Yes
Alarm Silence	Yes
ONT Reset	Yes
Cold Start	Yes
PHYSICAL	
Maximum Dimensions (L x W x D)	6" x 3.5" x 2.6"
Weight (lb)	< 2 lbs
ENVIRONMENT	
Operating Temperature	-10°C - +49°C (14°F - 120.2°F) @ full power
Operating Humidity	0-95% noncondensing within enclosure
Max Operating Elevation	10,000 ft (3,000M)
Storage Temperature	-30°C - 65°C (-22°F - 149°F)



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