

PATRIOT®

Power Supplies

OPS/OMNIBOX User Manual



Battery Installation

The OPS-12V-8A can have 1 to 4 connected batteries which must be connected in parallel with each other as shown in figure 6.

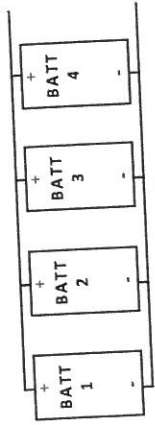


Figure 6

The OPS-24V-4A can have 2 or 4 connected batteries which must be connected in series-parallel as shown in figure 7.

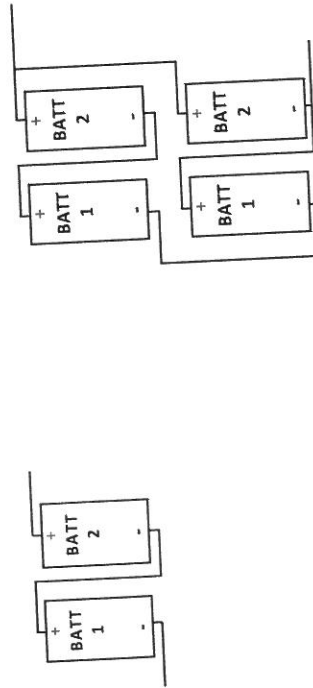


Figure 7

Description - OPS

The OPS is a versatile, compact power supply with integrated battery charger. It is ideally suited for CCTV, process control, BMS and general automation applications. The OPS can also be configured to function as a DC UPS.

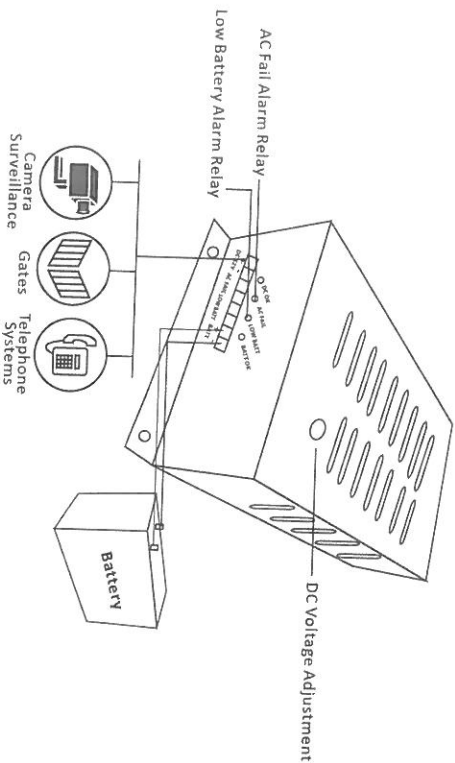


Figure 1

Operation

Before installing the OPS, please determine what voltage is required. The OPS-12V-8A can be adjusted between 10-13.8V. The OPS-24V-4A can be adjusted between 20-28V.

Model	Voltage	W/O Battery	With Battery	Low Batt Voltage
OPS-12V-8A	10-13.8V	set to 12V	set to 13.8V	11V
OPS-24V-4A	20-28V	set to 24V	set to 27V	22V

The voltage can be adjusted via adjustment area as shown in figure 1 once the OPS has been plugged into the GPO and switched on. Please ensure battery is not connected when adjusting DC voltage.

Once voltage has been set, connect load to "12VDC" or "24VDC" terminals and battery to "BATT" terminals.

NOTE: Please make sure that the polarity of load and battery are correct before connecting as incorrect voltage or polarity will cause damage.

The OPS can be used with or without battery connected.

Description - OMNIBOX

The Omni box is designed as rack/floor standing/wall mounting enclosure, suitable for the OPS-12V or OPS-24V. Easy mount battery brackets and wire looms are supplied to make for an easy trouble-free installation. It makes configuring a custom DC-UPS system easy.

Floor Standing

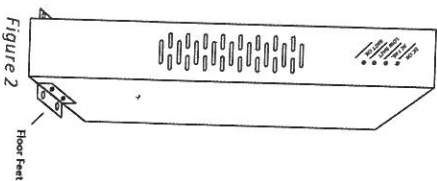


Figure 2

Rack Mount

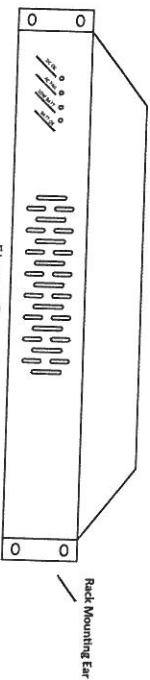


Figure 3

Wall Mount

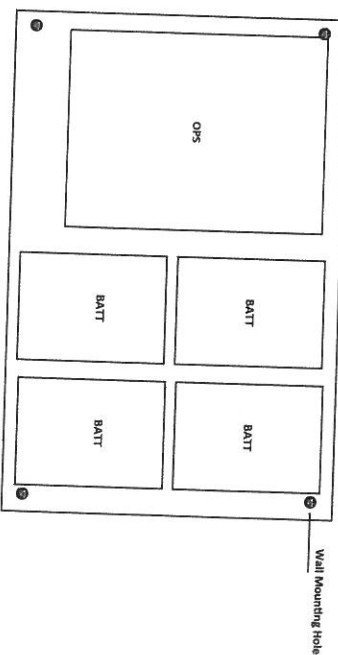


Figure 4

Rear

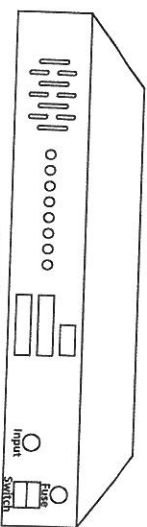


Figure 5