



# PS SERIES

## DC and AC Uninterruptible Power Supplies

The PS-Series DC and AC UPS Systems are specifically designed to meet the requirements of the NFPA for mission critical and public safety DAS, BDA, and fiber systems. The units include an internal power supply, a separate 3-stage smart charger, and battery management system for a bank of sealed AGM batteries. Our modular DAL alarm unit provides the NFPA compliant form C dry contact alarm closures and allows for easy replacement or substitution of components. Housed in a NEMA 4x enclosure with a red powder coated finish for public safety. Prewired and preconfigured for ease of installation.

### Features

- Lockable NEMA 4x UL 50 enclosure
- Durable Red Powder Coat Finish
- NFPA 1221 compliant Form C Dry Contact
  - AC Fail
  - 70% Battery Discharge, 30% Remaining Capacity
  - Charger Fail
  - (Optional) DC Power Supply Fail
- Output power: 300 watt or 600 watt power supply
- Output voltage: 12, 24, or 48 VDC and 120 VAC systems available
- Input: 90-264 VAC auto range
- Power supply, battery charger, and backup batteries included. N+1, battery and charger only, and power supply only configurations available by special order. Contact us for a quote.
- Independent battery charger
  - 230 watt, 3 stage smart charger
  - Extends battery life over trickle charger
  - Faster recharge time over trickle charger
- 35Ah, 50Ah, or 100Ah standard battery configurations
- 24 hour battery backup continuous average load ratings and recharge times, refer to the chart below to see which unit is best for your system.
- Sealed AGM Batteries
  - Extended life over flooded lead acid
  - Faster charging over flooded lead acid
  - No off-gassing
- Low Voltage Disconnect
  - Protects delicate electronics from under voltage damage
  - Prevents batteries from over discharging, extending battery life
- California Energy Commission compliant PS-C models make the following changes
  - Lithium-Ion batteries instead of AGM
  - Lithium-Ion smart charger
  - DoE level VI efficiency compliant power supply



\* PS-548-50 pictured  
\*\*NFPA Certified consultant on staff



26"Hx22"Wx10"D

Mounting Information:  
26x22x10 plus 2 inches on the top & bottom for the mounting bracket



\*Additional Battery Box required following models:  
PS-548-100, PS-1048-100

AC UPS Sizing Chart	Battery Capacity				
Average Power Draw	7Ah	14Ah	35Ah	50Ah	100Ah
<30 Watts	~6 hours	~12 hours	~24 hours*	~48 hours*	~96 hours*
30 to 70 Watts	~3 hours	~6 hours	~12 hours	~24 hours*	~48 hours*
70 to 100 Watts	~1 hour	~3 hours	~6 hours	~12 hours	~24 hours*

\*4 hours w/ generator  
\*12 hours complies with NFPA  
\*24 hours complies with IFC  
\*\*Actual battery backup times may vary depending on the load, operating temperature, and the age of the batteries

DC UPS Sizing Chart	Battery Capacity				
Average Constant Current Draw	7Ah	14Ah	35Ah	50Ah	100Ah
<1 Amps	~6 hours	~12 hours	~24 hours*	~48 hours*	~96 hours*
1 to 2.5 Amps	~3 hours	~6 hours	~12 hours	~24 hours*	~48 hours*
2.5 to 5 Amps	~1 hour	~3 hours	~6 hours	~12 hours	~24 hours*

\*4 hours w/ generator  
\*12 hours complies with NFPA  
\*24 hours complies with IFC  
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	Model Number	Power Supply Amps	Output Voltage VAC	Output Voltage VDC	Battery Amp Hours
AC Output Models	PS-4110-35	4	110		35
	PS-4110-50	4	110		50
	PS-4110-100	4	110		100
DC Output Models	PS-2012-35	20		14.4	35
	PS-1024-35	10		28.8	35
	PS-548-35	5		57.6	35
	PS-4012-35	40		14.4	35
	PS-2024-35	20		28.8	35
	PS-1048-35	10		57.6	35
	PS-2012-50	20		14.4	50
	PS-1024-50	10		28.8	50
	PS-548-50	5		57.6	50
	PS-4012-50	40		14.4	50
	PS-2024-50	20		28.8	50
	PS-1048-50	10		57.6	50
	PS-2012-100	20		14.4	100
	PS-1024-100	10		28.8	100
	PS-548-100*	5		57.6	100
	PS-4012-100	40		14.4	100
	PS-2024-100	20		28.8	100
	PS-1048-100*	10		57.6	100

\* Additional Battery Box required