

System Power Requirements

DAA-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center - Wound Care Addition</u>		Date: <u>4/13/2015</u>
Address: <u>335 Brighton Avenue</u>		
City: <u>Portland</u>	State: <u>ME</u>	Zip: <u>04103</u>
Prepared By: <u>Norris Inc.</u>		Phone: <u>207-883-3473</u>
Address: <u>2257 Broadway</u>		Email: _____
City: <u>South Portland</u>	State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements **4.50** AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements **10.38** Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load 0.350 A	x	Required Standby Time 24 hours	8.40
Secondary Alarm Load 0.984 A	x	Required Alarm Time (hours) 0.250 hours	0.25
Total Secondary Load			8.65
Derating factor			x 1.2
Secondary Load Requirements			10.38

AH

Battery Selection **12** Amp Hours

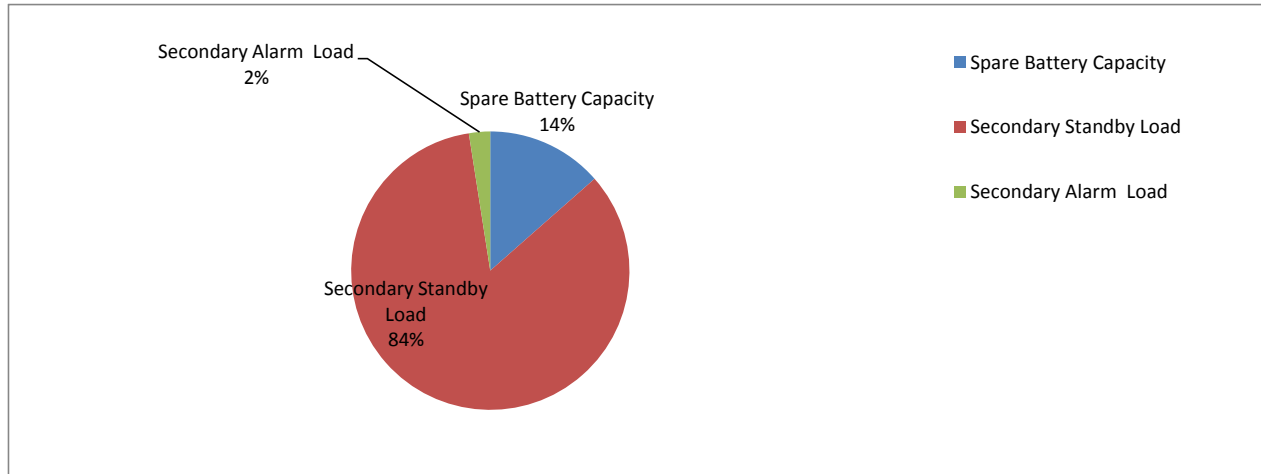
Select batteries from the list below.

12 AH BAT-12120 Battery (12 volt)

- Two
 Four (two 12VDC sets in parallel)

Battery Distribution Chart

Shows amp-hour distribution of your selections.



Comments

1. Batteries will fit in the FACP cabinet.
2. Selected battery size meets secondary load requirements.
3. The selected batteries (12AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	1.62	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	10.08	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.30	Secondary Alarm Load (AH) * Derating Factor