

NFC-50/100 Digital Audio Amplifier

Protected Premises: <u>Brick South</u>	Date: <u>1/27/2017</u>
Address: <u>Thompson's Point</u>	
City: <u>Portland</u> State: <u>ME</u> Zip: <u>04102</u>	
Prepared By: <u>Norris Inc.</u>	Phone: <u>207-883-3473</u>
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City: <u>South Portland</u> State: <u>ME</u> Zip: <u>04106</u>	

AC Branch Current Requirements

3.50 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.55 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load 0.422 A	x	Required Standby Time 24 hours	10.13
Secondary Alarm Load 1.310 A	x	Required Alarm Time (hours) 0.250 hours	0.33
Total Secondary Load			10.46
Derating factor			x 1.2
Secondary Load Requirements			12.55

AH

Battery Selection

18 Amp Hours

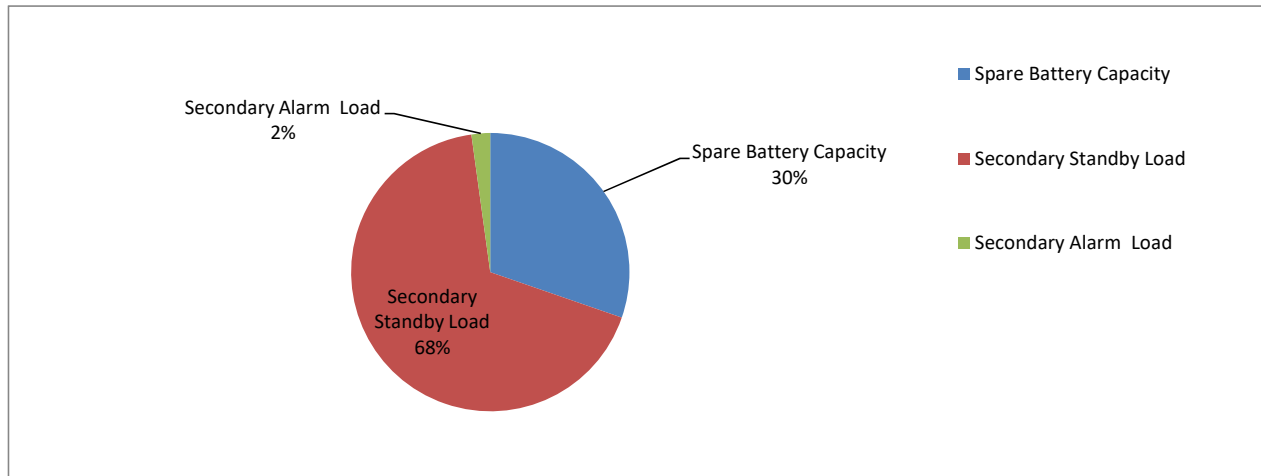
Select batteries from the list below.

18 AH BAT-12180 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 (18AH) are within the charger range of this power supply (12-26AH).

Spare Battery Capacity	5.45	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	12.15	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.39	Secondary Alarm Load (AH) * Derating Factor