

Notifier NFS2-3030 Fire Alarm Control Panel

Protected Premises: <u>The Park Danforth</u>	Date: <u>12/20/2015</u>
Address: <u>777 Stevens 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

5.00 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Primary Standby Load

1.92 Amps

Current load on the primary power supply during **non-alarm** conditions.

Primary Alarm Load

1.92 Amps

Current load on the primary power supply during **alarm** conditions.

Secondary Load Requirements

59.28 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load 2.051 A	x	Required Standby Time	
		24 hours	49.23
Secondary Alarm Load 2.052 A	x	Required Alarm Time	
		0.084 hours	0.17
Total Secondary Load			49.40
Derating factor			x 1.2
Secondary Load Requirements			59.28

AH

Battery Selection

60 Amp Hours

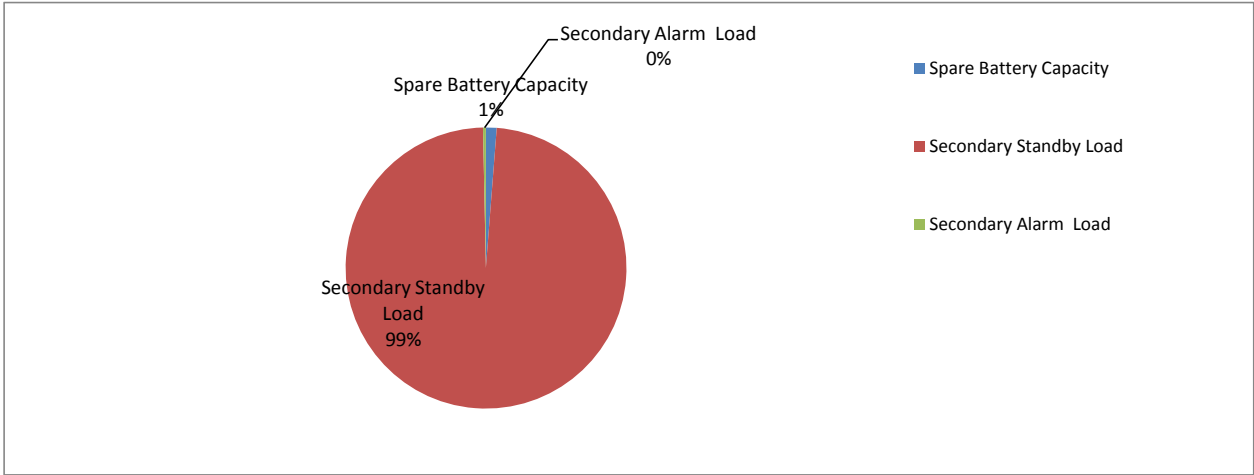
Select batteries from the list below.

60 AH CUSTOM BATTERY (12 volt)

- Two
 Four (two 12VDC sets in parallel)

Battery Distribution Chart

Shows amp-hour distribution of your selections.



Comments

1. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (60AH) are within the charger range of this power supply (12-60AH).

Spare Battery Capacity	0.72	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	59.07	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.21	Secondary Alarm Load (AH) * Derating Factor