

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #1</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.86 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
4.460 A		0.250 hours	1.12
Total Secondary Load			10.72
Derating factor			x 1.2
Secondary Load Requirements			12.86 AH

Battery Selection

18 Amp Hours

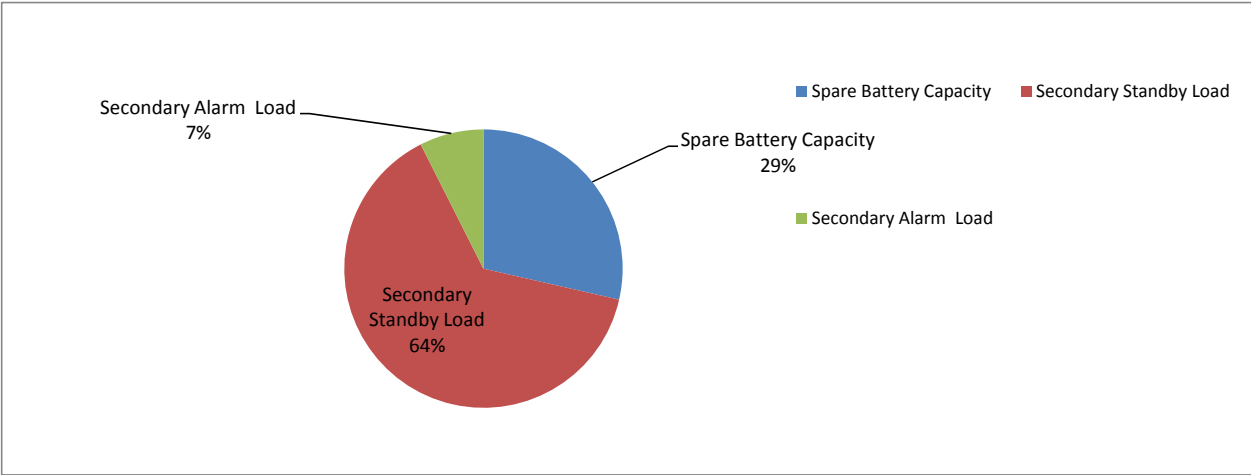
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.14	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.34	Secondary Alarm Load (AH) * Derating Factor

DAA2-5025/DAA2-5070 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #2</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

2.84 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.46 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
3.140 A		0.250 hours	0.79
Total Secondary Load			10.39
Derating factor			x 1.2
Secondary Load Requirements			12.46

AH

Battery Selection

18 Amp Hours

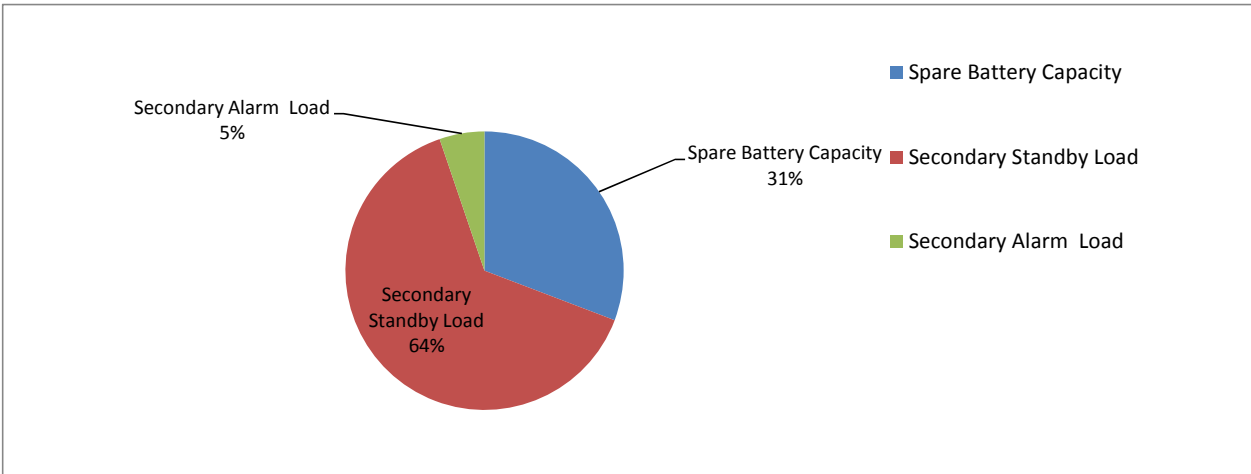
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-200AH).

Spare Battery Capacity	5.54	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.94	Secondary Alarm Load (AH) * Derating Factor

System Power Requirements

DAA2-5025/DAA2-5070 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #3</u>		Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u>		Email: _____
City: <u>South Portland</u>	State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

2.84 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.38 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load 0.400 A	x	Required Standby Time 24 hours	9.60
Secondary Alarm Load 2.876 A	x	Required Alarm Time (hours) 0.250 hours	0.72
Total Secondary Load			10.32
Derating factor			x 1.2
Secondary Load Requirements			12.38 AH

Battery Selection

18 Amp Hours

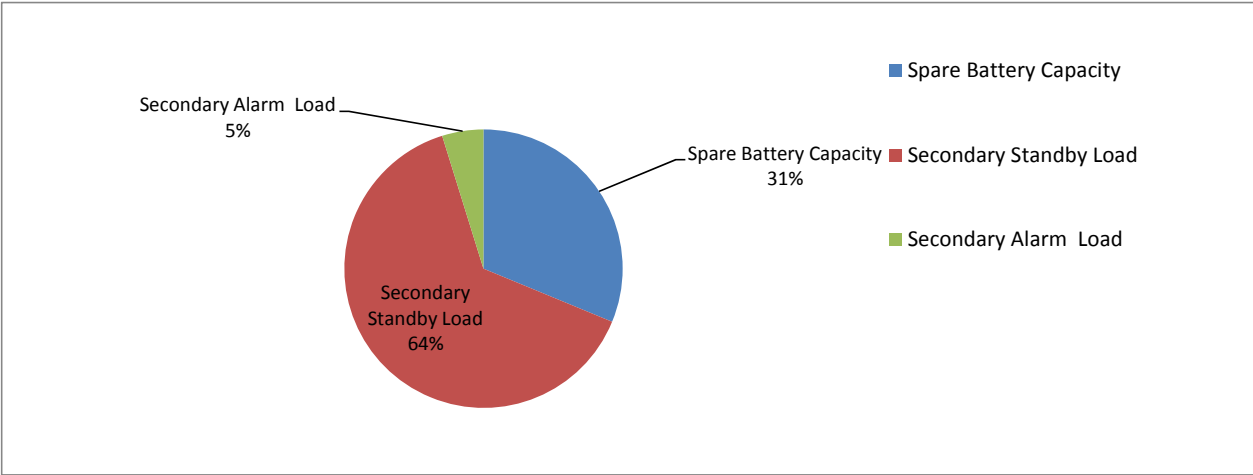
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-200AH).

Spare Battery Capacity	5.62	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.86	Secondary Alarm Load (AH) * Derating Factor

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #4</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>	
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u>	State: <u>ME</u> Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.86 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
4.460 A		0.250 hours	1.12
Total Secondary Load			10.72
Derating factor			x 1.2
Secondary Load Requirements			12.86 AH

Battery Selection

18 Amp Hours

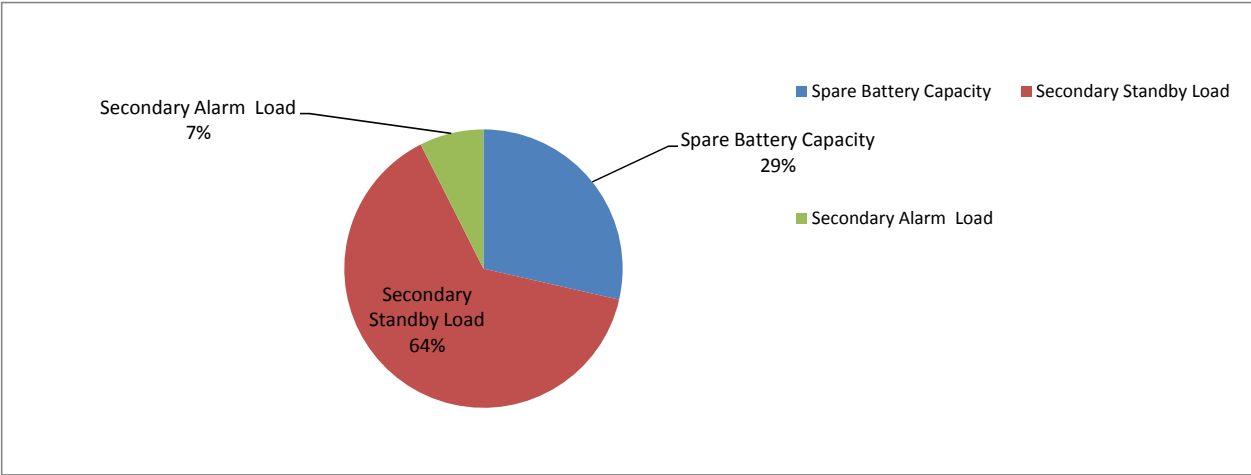
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.14	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.34	Secondary Alarm Load (AH) * Derating Factor

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #5</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.86 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
4.460 A		0.250 hours	1.12
Total Secondary Load			10.72
Derating factor			x 1.2
Secondary Load Requirements			12.86 AH

Battery Selection

18 Amp Hours

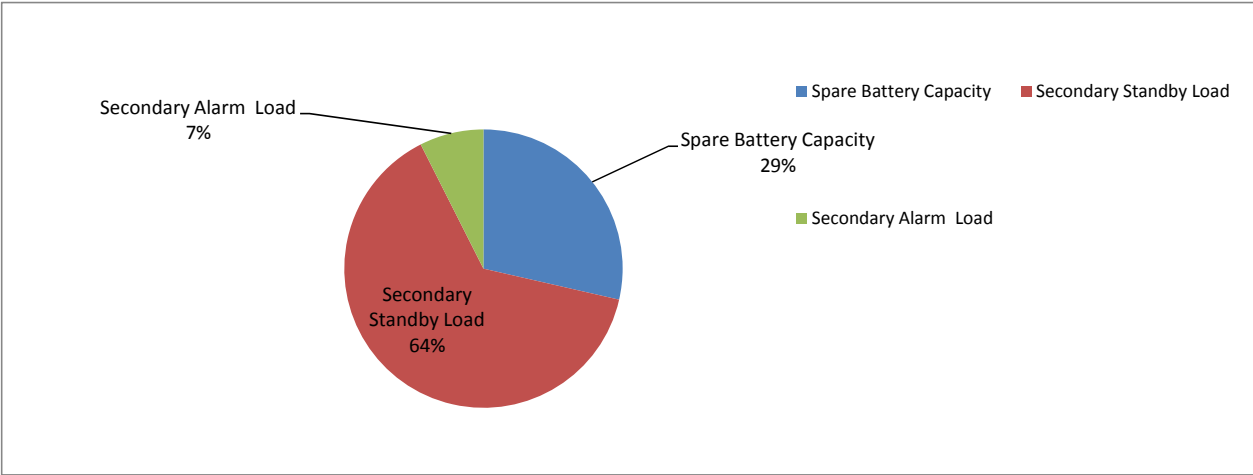
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.14	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.34	Secondary Alarm Load (AH) * Derating Factor

DAA2-5025/DAA2-5070 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #6</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

2.84 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.42 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
3.008 A		0.250 hours	0.75
Total Secondary Load			10.35
Derating factor			x 1.2
Secondary Load Requirements			12.42

AH

Battery Selection

18 Amp Hours

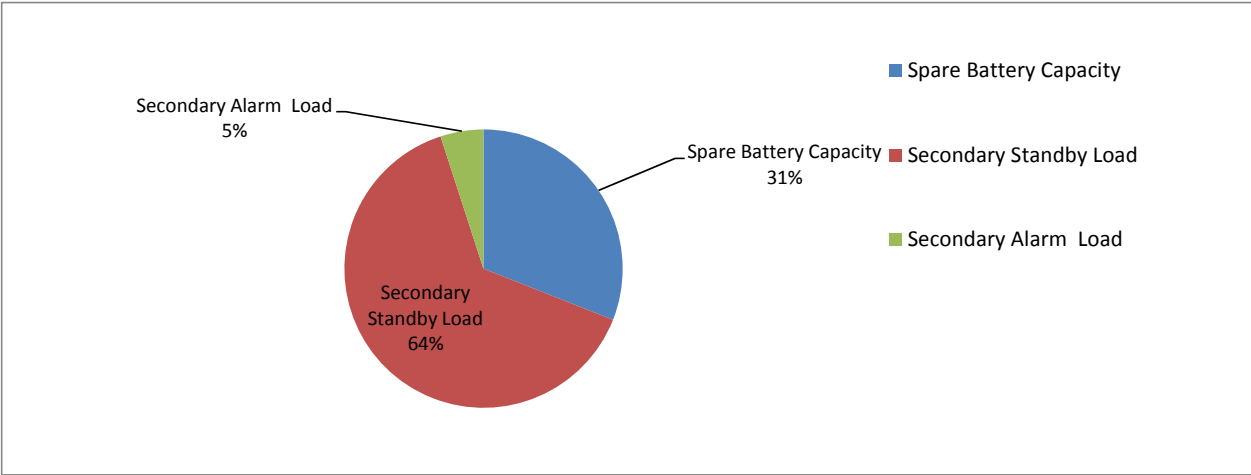
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-200AH).

Spare Battery Capacity	5.58	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.90	Secondary Alarm Load (AH) * Derating Factor

DAA2-5025/DAA2-5070 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #7</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>	
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u>	State: <u>ME</u> Zip: <u>04106</u>

AC Branch Current Requirements

2.84 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.42 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
3.008 A		0.250 hours	0.75
Total Secondary Load			10.35
Derating factor			x 1.2
Secondary Load Requirements			12.42

AH

Battery Selection

18 Amp Hours

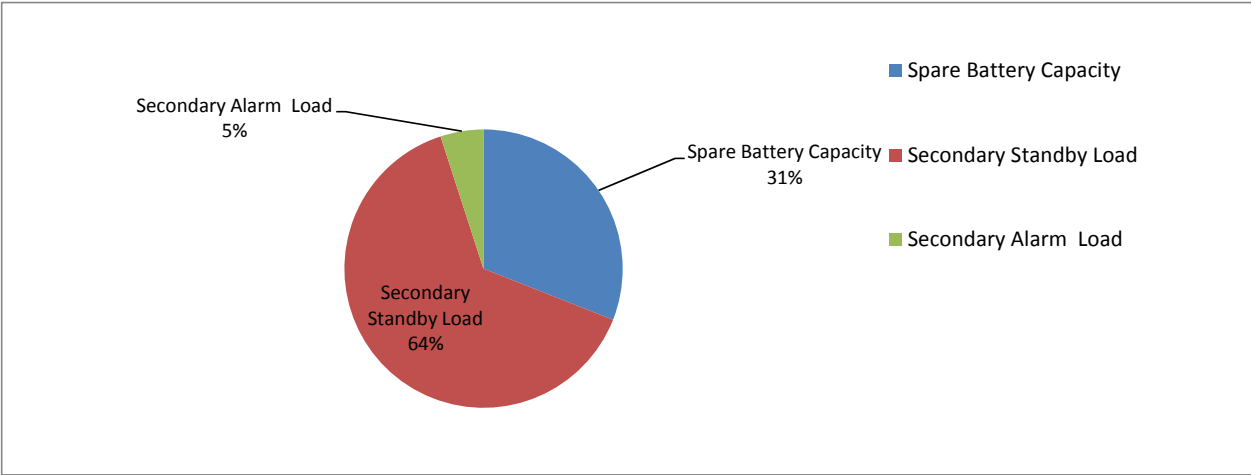
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-200AH).

Spare Battery Capacity	5.58	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.90	Secondary Alarm Load (AH) * Derating Factor

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #8</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.74 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
4.064 A		0.250 hours	1.02
Total Secondary Load			10.62
Derating factor			x 1.2
Secondary Load Requirements			12.74 AH

Battery Selection

18 Amp Hours

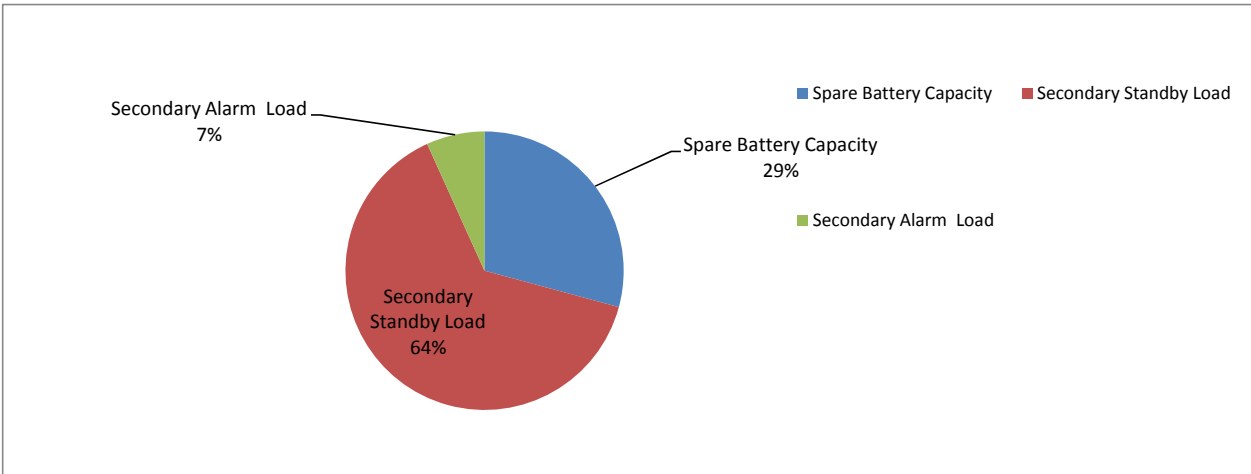
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.26	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.22	Secondary Alarm Load (AH) * Derating Factor

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #9</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.74 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
4.064 A		0.250 hours	1.02
Total Secondary Load			10.62
Derating factor			x 1.2
Secondary Load Requirements			12.74 AH

Battery Selection

18 Amp Hours

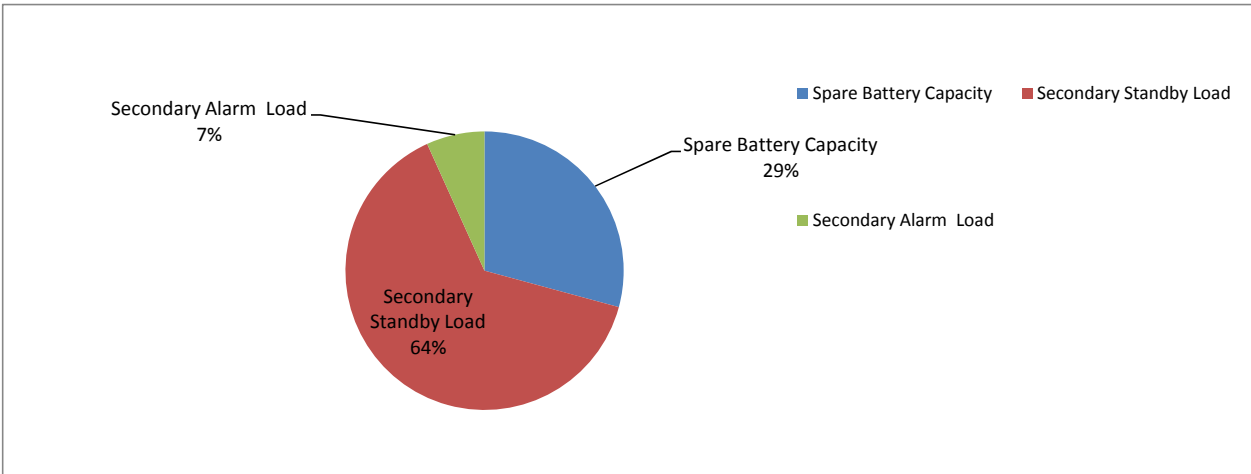
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.26	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.22	Secondary Alarm Load (AH) * Derating Factor

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #10</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u>	Email: _____
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.78 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
4.196 A		0.250 hours	1.05
Total Secondary Load			10.65
Derating factor			x 1.2
Secondary Load Requirements			12.78 AH

Battery Selection

18 Amp Hours

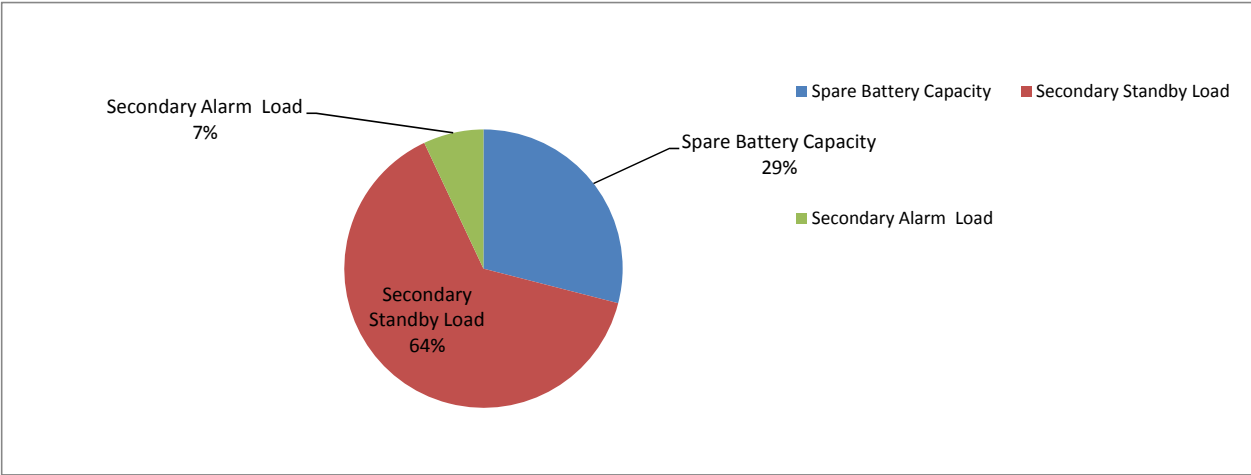
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.22	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.26	Secondary Alarm Load (AH) * Derating Factor

DAA2-5025/DAA2-5070 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #11</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

2.84 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.46 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
3.140 A		0.250 hours	0.79
Total Secondary Load			10.39
Derating factor			x 1.2
Secondary Load Requirements			12.46

AH

Battery Selection

18 Amp Hours

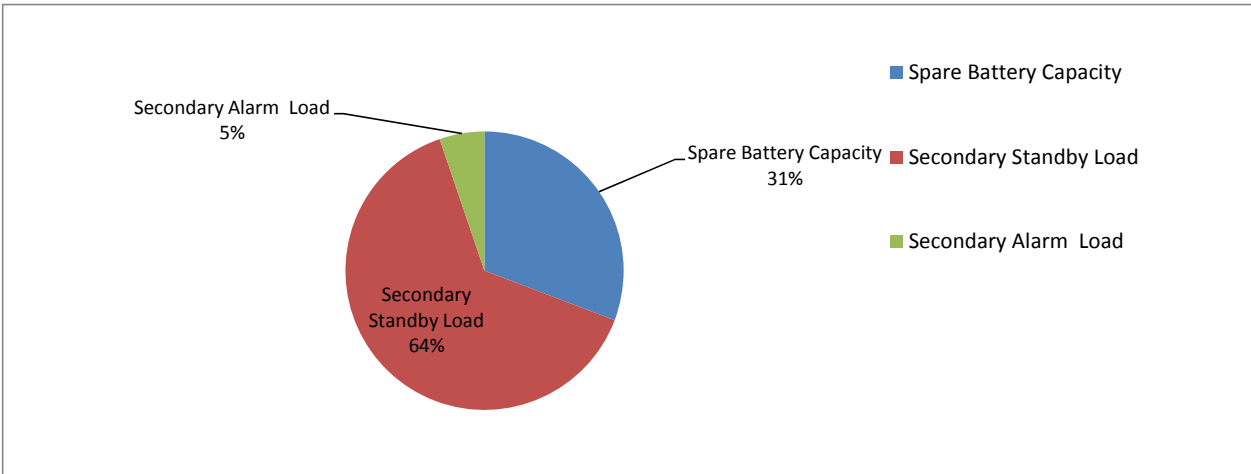
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-200AH).

Spare Battery Capacity	5.54	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	0.94	Secondary Alarm Load (AH) * Derating Factor

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #12</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.86 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
4.460 A		0.250 hours	1.12
Total Secondary Load			10.72
Derating factor			x 1.2
Secondary Load Requirements			12.86 AH

Battery Selection

18 Amp Hours

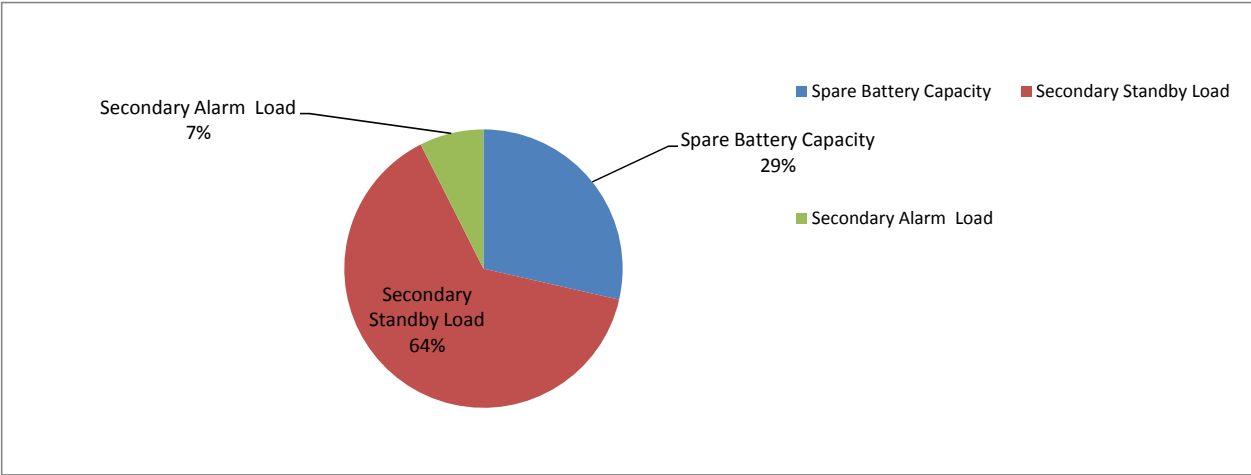
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.14	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.34	Secondary Alarm Load (AH) * Derating Factor

System Power Requirements

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #13</u>		Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u>		Email: _____
City: <u>South Portland</u>	State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.62 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load 0.400 A	x	Required Standby Time 24 hours	9.60
Secondary Alarm Load 3.668 A	x	Required Alarm Time (hours) 0.250 hours	0.92
Total Secondary Load			10.52
Derating factor			x 1.2
Secondary Load Requirements			12.62 AH

Battery Selection

18 Amp Hours

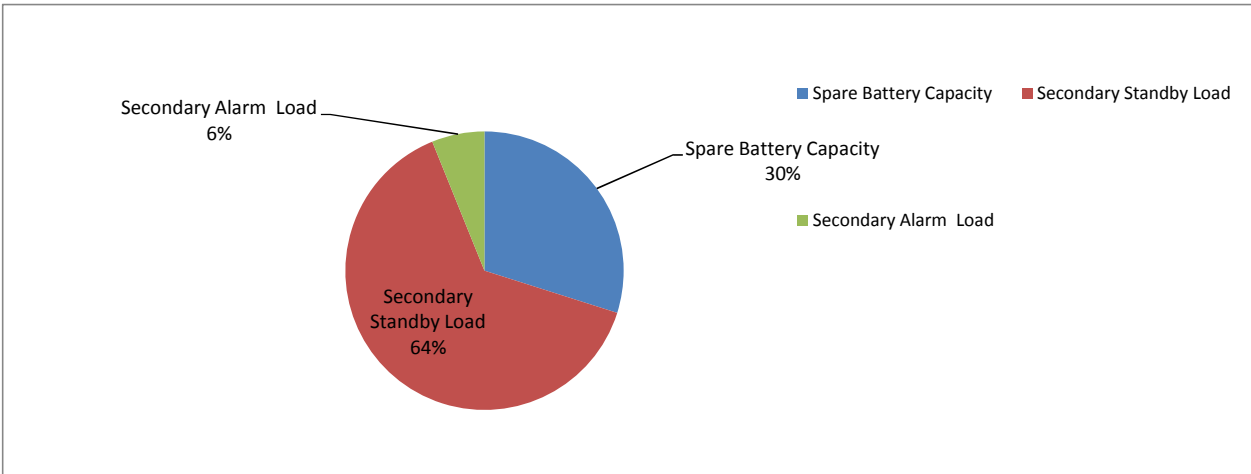
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.38	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.10	Secondary Alarm Load (AH) * Derating Factor

System Power Requirements

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #14</u>		Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u>		Email: _____
City: <u>South Portland</u>	State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.86 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load 0.400 A	x	Required Standby Time 24 hours	9.60
Secondary Alarm Load 4.460 A	x	Required Alarm Time (hours) 0.250 hours	1.12
Total Secondary Load			10.72
Derating factor			x 1.2
Secondary Load Requirements			12.86 AH

Battery Selection

18 Amp Hours

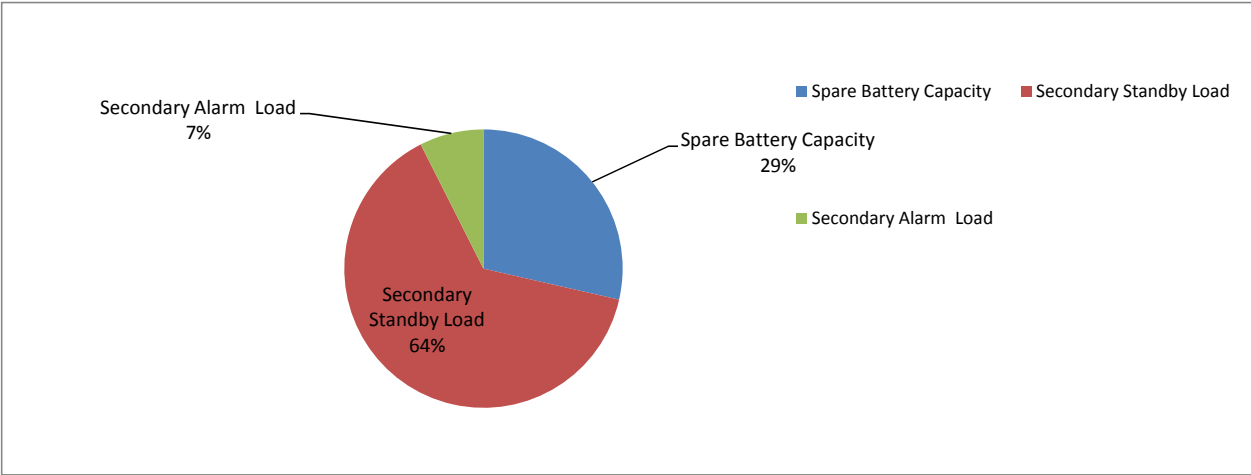
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.14	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.34	Secondary Alarm Load (AH) * Derating Factor

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #15</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.86 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
4.460 A		0.250 hours	1.12
Total Secondary Load			10.72
Derating factor			x 1.2
Secondary Load Requirements			12.86 AH

Battery Selection

18 Amp Hours

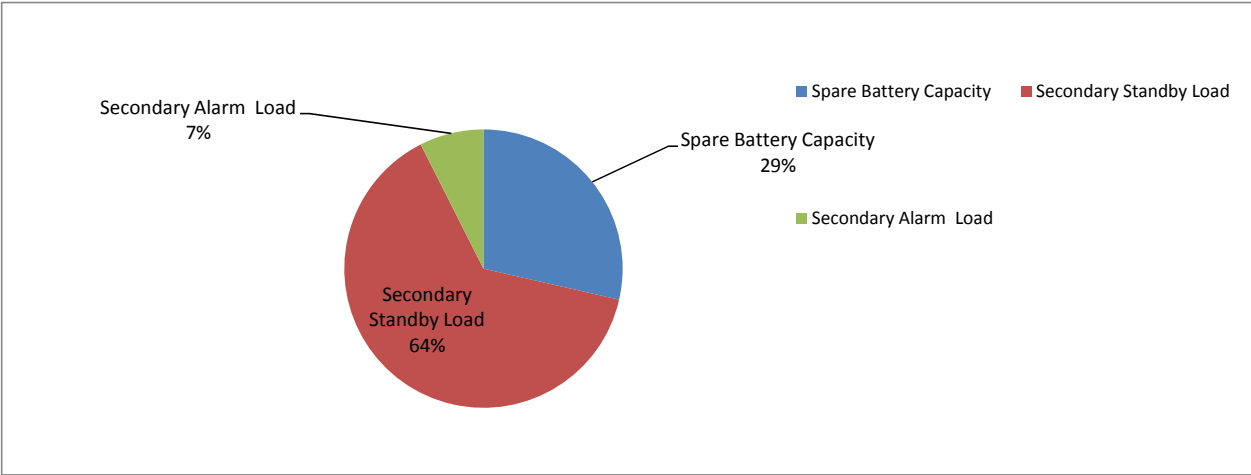
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.14	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.34	Secondary Alarm Load (AH) * Derating Factor

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #16</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.54 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
3.404 A		0.250 hours	0.85
Total Secondary Load			10.45
Derating factor			x 1.2
Secondary Load Requirements			12.54

AH

Battery Selection

18 Amp Hours

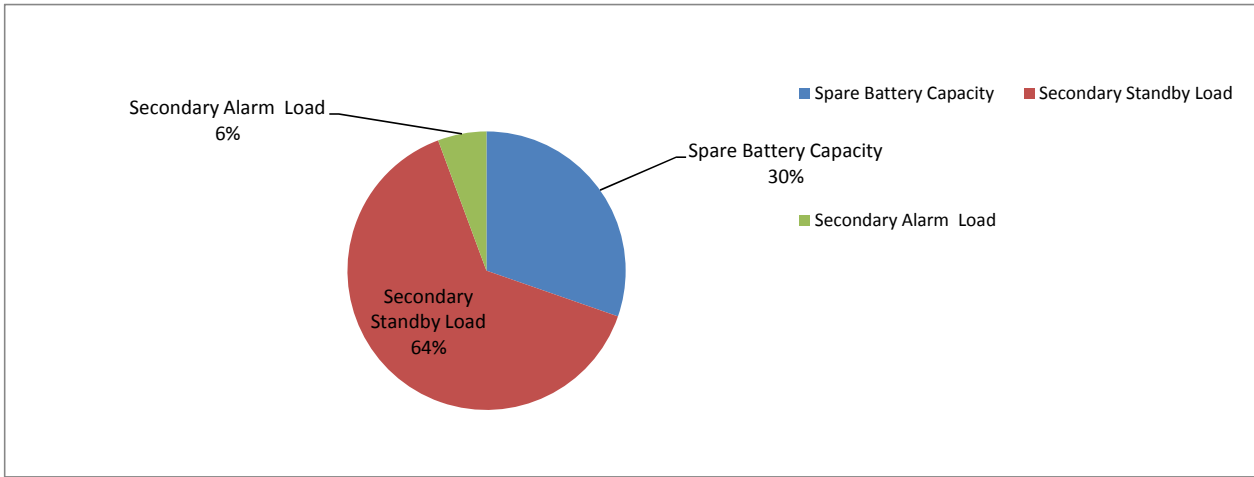
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.46	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.02	Secondary Alarm Load (AH) * Derating Factor

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #17</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.78 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
4.196 A		0.250 hours	1.05
Total Secondary Load			10.65
Derating factor			x 1.2
Secondary Load Requirements			12.78 AH

Battery Selection

18 Amp Hours

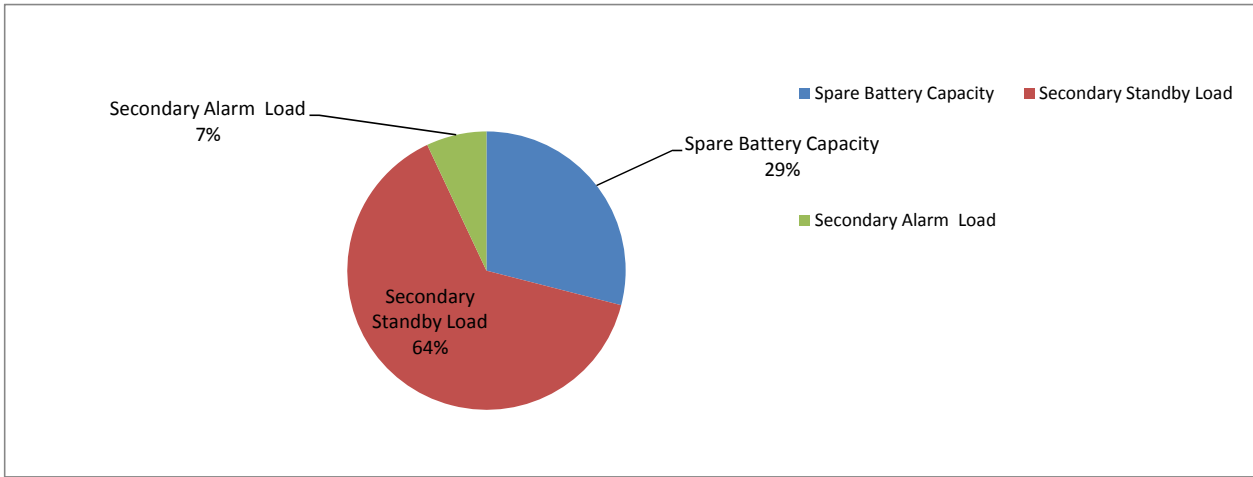
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.22	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.26	Secondary Alarm Load (AH) * Derating Factor

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #18</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.86 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
4.460 A		0.250 hours	1.12
Total Secondary Load			10.72
Derating factor			x 1.2
Secondary Load Requirements			12.86 AH

Battery Selection

18 Amp Hours

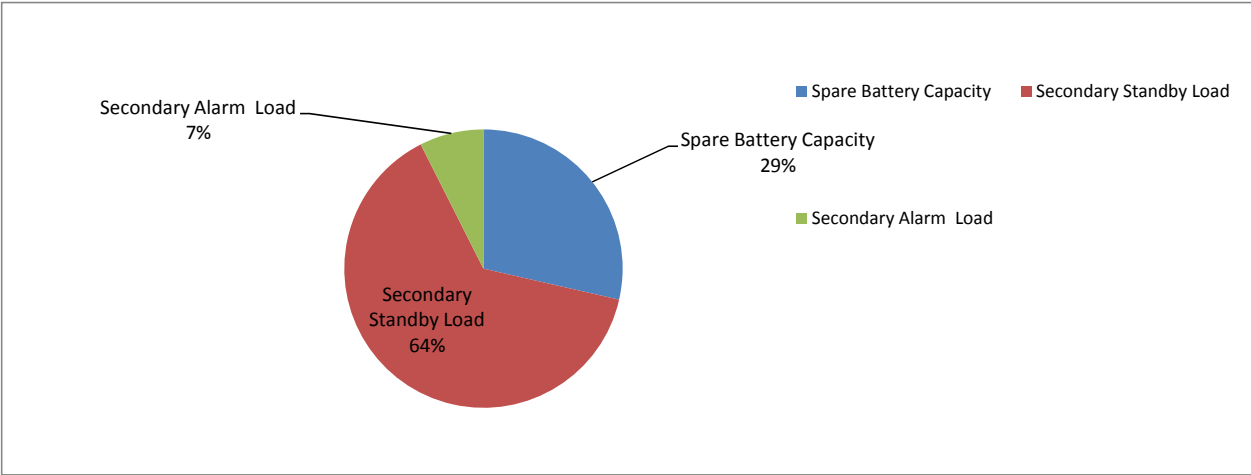
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.14	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.34	Secondary Alarm Load (AH) * Derating Factor

DAA2-7525 Digital Audio Amplifier

Protected Premises: <u>Maine Medical Center Brighton Campus Amplifier #19</u>	Date: <u>1/7/2014</u>
Address: <u>335 Brighton Ave</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>
Address: <u>2257 Broadway</u> Email: _____	
City: <u>South Portland</u> State: <u>ME</u>	Zip: <u>04106</u>

AC Branch Current Requirements

3.61 AMPS @ 120 VAC

Current required by source to power the fire alarm system.

Secondary Load Requirements

12.86 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load	x	Required Standby Time	
0.400 A		24 hours	9.60
Secondary Alarm Load	x	Required Alarm Time (hours)	
4.460 A		0.250 hours	1.12
Total Secondary Load			10.72
Derating factor			x 1.2
Secondary Load Requirements			12.86 AH

Battery Selection

18 Amp Hours

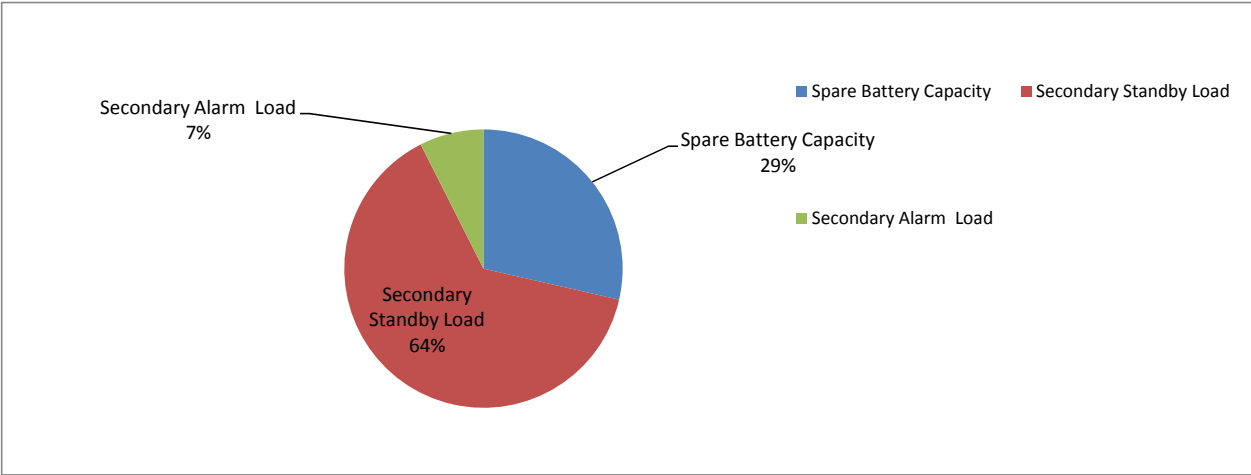
Select batteries from the list below.

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. Battery size exceeds FACP capacity. BB-55 or other external battery box
2. Selected battery size meets secondary load requirements.
3. The selected batteries (18AH) are within the charger range of this power supply (12-55AH).

Spare Battery Capacity	5.14	Battery Selection (AH) - Secondary Load Requirements (AH)
Secondary Standby Load	11.52	Secondary Standby Load (AH) * Derating Factor
Secondary Alarm Load	1.34	Secondary Alarm Load (AH) * Derating Factor