

FCPS-24F Battery Calculation

Since the current draws listed here can be edited, the user is fully responsible for verifying these calculations.

Entries only to be made in the Yellow cell locations

Regulated Load in Standby

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Table 5-1

Device Type	Number of Devices		Current (Amps)		Total Current (Amps)
Main PC Board without AC		X	0.032	=	0
Fail Report Delay Enabled					
Main PC Board with AC		X	0.048	=	0
Fail Report Delay Enabled					
MPM-4		X	0.008	=	0
EOL Relays		X		=	0
Smoke Detectors		X		=	0
Smoke Detectors		X		=	0
EOL Resistors		X		=	0
Annunciators		X		=	0
Auxillary Devices		X		=	0
SUM COLUMN FOR STANDBY LOAD			0	=	AMPS

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Regulated Load in **ALARM**

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Table 5-2

Device Type	Number of Devices		Current (Amps)		Total Current (Amps)
Main PC Board without AC Fail Report Delay Enabled		X	0.032	=	0
Main PC Board with AC Fail Report Delay Enabled		X	0.048	=	0
MPM-4		X	0.008	=	0
EOL Relays		X		=	0
Smoke Detectors		X		=	0
Smoke Detectors		X		=	0
EOL Resistors		X		=	0
Annunciators		X		=	0
Auxillary Devices		X		=	0
Notification Appliances		X		=	0
Notification Appliances		X		=	0
Notification Appliances		X		=	0
SUM COLUMN FOR LOAD IN ALARM			0	=	AMPS

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Calculation in Total Sheet

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Table 5-3

Use the total standby and alarm load currents calculated in tables 5-1 and 5-2 for the following battery calculations

Standby Load Current (Amps)	0	X	Required Standby Time in Hours (24 or 60 Hrs.)		
			24	=	0
Alarm Load Current (Amps)	0	X	Required Alarm Time in Hours (5 minutes = 0.084)		
			0.084	=	0
Add Standby and Alarm Load for Required Ampere Hour Battery					0
Multiply by the Derating Factor of 1.2					
Total Ampere Hours Required					= 0