

Jobsite Information: _____

FCPS-24FS6 / 8 Battery Calculation

Entries only to be made in the Yellow cell locations

Regulated Load in Standby

Device Type	Number of Devices		Current (Amps)		Total Current (Amps)
Main PC Board	1	X	0.065	=	0.065
Power Supervision Relays	1	X	0.025	=	0.025
Auxiliary Current Draw from TB4 Terminals 9 & 10		X		=	0
STANDBY LOAD					= 0.09

Regulated Load in ALARM

Device Type	Number of Devices		Current (Amps)		Total Current (Amps)
Main PC Board without AC	1	X	0.145	=	0.145
Power Supervision Relays		X	0.025	=	0
Auxiliary Current Draw from TB4 Terminals 9 & 10		X		=	0
NAC / Output # 1	5	X	0.157	=	0.785
NAC / Output # 2	4	X	0.066	=	0.264
NAC / Output # 3		X		=	0
NAC / Output # 4		X		=	0
ALARM LOAD					= 1.194

Battery Amp Hour Calculation

Standby Load Current (Amps)			Required Standby Time (Typically 24 or 60 Hours)	
0.09	X	24	=	2.16 AH
Alarm Load Current (Amps)			Required Alarm Time (Typically 5 or 10 Minutes)	
1.194	X	10	=	0.20 AH
Sub Total Standby / Alarm Amp Hours				2.36 AH
Multiply by the Derating Factor				X 1.2 *
Total Ampere Hours Required				= 3 AH

* Derating Factor required to compensate for the non-linear discharge characteristic of a battery.