

Jobsite Information:

FL-IPKIT Battery Calculation Chart

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 HP300ULX	1	X	0.14	=	0.14
IPDACT	1	X	0.1	=	0.1
411	1	X	0.078	=	0.078
STANDBY LOAD =					0.318

Regulated Load in ALARM

Device Type	Number of Devices		Current (Amps)		Total Current (Amps)
Main PC Board without AC	1	X	0.2	=	0.2
IPDACT	1	X	0.3	=	0.3
411	1	X	0.126	=	0.126
ALARM LOAD =					0.626

Battery Amp Hour Calculation

Standby Load Current (Amps)	0.318	X	Required Standby Time (Typically 24 or 60 Hours)	24	=	7.632 AH
Alarm Load Current (Amps)	0.626	X	Required Alarm Time (Typically 5 or 10 Minutes)	5	=	0.05 AH
Sub Total Standby / Alarm Amp Hours						7.68 AH
Multiply by the Derating Factor					X	1.2 *
Total Ampere Hours Required =						10 AH

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

* The HP300ULX is capable of housing batteries up to 12 AH. Batteries larger than 12 AH require a UL listed external battery cabinet such as the BB-26, BB-55F or other UL listed external battery cabinet.