

Li-ion Battery (BAT12V-LI1) and Charger (BAT12V-LI1)

Features

- Lithium-ion battery pack, 12V, 4.4 Ah
- Wall mount, smart Li-ion battery charger with LED status display
- Rugged enclosure, small size

Description

The Lithium ion battery is used to supply power to the Recorder when there is no power source available.

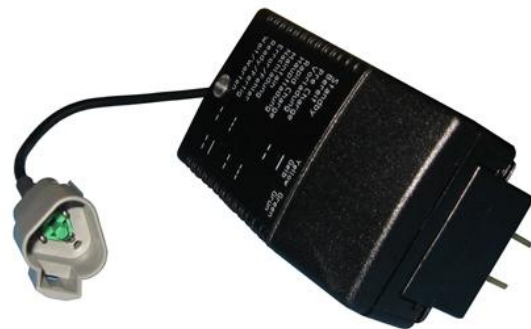
The charger is an intelligent power adapter, with detachable main plug for usage in different regions of the globe.

Charging LED status

Yellow	Description
Steady	Standby (no battery is detected)
Blinking	Wait or Pre Charge
Fast blinking	Error
Green	
Steady	Battery is charged
Blinking	Wait or Maintaining charge
Fast blinking	Rapid charge



Lithium-Ion Battery Pack (BAT12V-LI1)



Battery Charger (BAT12V-LI1)

Installation

- Charge the battery until the charger LED is solid green.
- To supply power to the Recorder, connect the battery to the PWS port of the Recorder.

WARNING:

The charger (BAT12V-LI1) is designed to charge Li-ion battery only (BAT12V-LI1), do not attempt to charge other ISAAC batteries with this charger.

Specifications
BAT12V-LI1

Description	Symbol	Min	Typ	Max	Unit
Battery characteristics					
Voltage	V_{out}		12		V
Capacity	i_n		4.4		Ah
Discharge characteristics					
162mA* load @ 25°C	$t_{discharge}$		25.5		h
162mA* load @ 3°C			24.6		
162mA* load @ -18°C			20.7		
Charge time	t_{charge}		8		h
Charging Temperature	T_{oper}	0 (32)		40 (104)	C (F)
Operating Temperature	T_{oper}	-20 (-4)		60 (140)	C (F)
Mechanical Specifications (Housing)					
Height	H		40 (1.57)		mm
Width	W		90 (3.54)		(in)
Depth	D		90 (3.54)		

*BOXV8-STD, COMMH1, COMBLU and SENDT1 are in use, (RF modules are in standby mode)

BATCHG-LI1

Description	Symbol	Min	Typ	Max	Unit
Power Supply					
Input Voltage	V_{in_AC}	100		240	V_{AC}
Current Consumption	I_{in_AC}		300		mA_{AC}
Frequency	f	50		60	Hz
Output Characteristics					
Output Voltage	V_{out}		11.1		V
Output current	I_{out}		800		mA
Power supply efficiency			75		%
Operating Temperature	T_{oper}	0 (32)		40 (104)	C (F)
Storage Temperature	T_S	-40 (-40)		70 (158)	C (F)
Mechanical Specifications (Housing)					
Height	H		34 (1.34)		mm
Width	W		52 (2.05)		(in)
Depth	D		45 (1.77)		
Weight	w		140 (4.94)		g (oz)