



Carry Bag with Shoulder Strap
PSB-144B

See Table 1 for
cable and pin
assignments

Five Conductor
Power Cable
00100244

Female Plug
PT06A-8-4S (470)

Table 1. Pin-out Cable Connections

Cable-Internal	Socket	Terminal
Brown AWG18 Cable	A	+12V BATT
Blue AWG18 Cable	C	
Black AWG18 Cable	B	GND BATT
Black AWG18 Cable	D	
Yellow/Green AWG 18 Cable	-	(Unused)

Table 2. Assembly BOM

Description	Qty	Manufacturers PN	Manufacturer
PT Series, Plug, Female 4S w/SR	1	PT06A-8-4S (470)	Amphenol
PT Series, Receptacle, Male 4P w/SR	1	PT01A-8-4P (SR)	Amphenol
Classic 100 Pwr Cable, 5G0.75	4 ft	00100244	LAPP-OLFEX
Carry Bag, Ballistic Nylon 11.75x8x9	1	PSB-144B	Ruggard
LiFePO4 Battery, 50Ah/640Wh	1	EP 1250	ExpertPower
Heat-shrink Tubing	AR	(Common Stock)	(Various)
LiFePO4 Battery Charger, 14.4V/5A	1	EPC125 (F128-050-D)	ExpertPower
Insul.Term., Ring, 0.262 ID,10-12AWG	2	RV5-6 (or equivalent)	KSTerminals

Assembly Notes:

- 1.) Battery, bag, charger and cabling weight: Approximately 16.5 lbs
- 2.) Internal bag chamber for storage of battery charger.
- 3.) LiFePO4 battery is installed inside the bag. See sheet 2.

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Title:
LS-28M-P1 Pelican Potable Battery Assembly

Size A	Document Number: CBL-28M-P1-BAT-01	REV -
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START



MODIFIED



Battery Charger
EPC125 (F128-050-D)

Male Receptacle
PT01A-8-4P (SR)

See Table 1 for cable
and pin assignments

Table 1. Charger Cable Connections

Cable-Internal	Socket	Terminal
RED	A	+12V BATT
BLACK	B	GND BATT

Assembly Notes:

- 1.) Start with charger as shown in START picture above. Remove both clamps and discard.
- 2.) Connect the charger cables as shown in table 1.

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LiFePO4 50Ah Battery
EP1250

See Assembly notes for details

Divider provides
charger storage
(Charger shown)

Table 1. Battery Connections

Cable-Internal	Terminal
Brown AWG18 Cable	+12V BATT
Blue AWG18 Cable	
Black AWG18 Cable	GND BATT
Black AWG18 Cable	
Yellow/Green AWG 18 Cable	(Unused)

Assembly Notes:

- 1.) Cable should enter on the upper right hand side of bag.
- 2.) Route cable through fabric hook on corner of the bag and prevent from movement by using tie-wraps.
- 3.) Connect crimp terminal rings per Table 1. Crimp both cables called out in table in same terminal.
- 4.) Secure terminals to battery via the screw terminal on the top of the battery. Battery orientation can be rotated if desired.
- 5.) Apply medium lock-tight to battery terminal screws before inserting.
- 6.) To maximum extent possible, provide strain relief of the connections to the battery.

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