

# Super Battery BAT-12V-SP

- Applied to zero-gravity seats, active pre-tensioning seat belt sled tests;
- Provides instantaneous power supply for motor loads;
- Anti-Shock design;
- Voltage 12V–14VDC, maximum current 120A;
- Built-in battery charge management;
- Over current and over temperature protection.

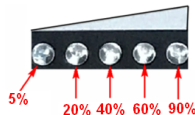


Super Battery BAT-12V-SP selects lithium cell design and has extremely high instantaneous current output capability. The built-in charging management circuit includes overtemperature and overcurrent protection functions. It can be used as an instantaneous power source for active pre-tensioning seat belt pre-tensioning motors and for instantaneous posture adjustment of zero-gravity seat power motors. The device incorporates built-in battery balancing and temperature protection functions, along with a battery output indicator and power level display.

### Specification (25℃)

Name	Unit	Value
Capacity	Wh	151.2
Battery Voltage	V	25.2
Output Voltage	V	12-14
Peak Output Current	A	120
Maximum Duration	Sec	1@120A, 4@40A
Charging Power	V	24-48
Anti-Shock (XYZ)	> 100g @6ms half sine	
LED Indicators	Battery Level (5-segment)	
	Power ON/OFF (P-ON/P-OFF)	
	Device Status (OP)	
	ARM and Trigger (TRG)	
	Trigger and Output (T/O)	
Function Buttons	READY and Load (LD)	
	Power ON/OFF (P-ON/P-OFF)	
Weight	ARM Button and Trigger (TRG)	
Weight	kg	4.8
Dimension	mm	252×100×124

### Battery Capacity Remaining Indicator:



### Connector Define:

#### Trigger Input ODU GK1L0C-P05

Pin 1	T0 Switch+
Pin 2	T0 Switch-

#### Bus Interface ODU GK1L0C-P06

Pin 1	Charging (External Power Supply) -
Pin 2	Charging (External Power Supply) +
Pin3	GND
PIN5	485A
PING6	485B

#### Super Power Output LEMO EGG.4B.304 :

Pin 1-2	Power Output+
Pin 3-4	Power Output-

### Panel Interface :



**Trigger Mode:** Output fixed duration after trigger.

**Battery Mode:** Continuous output after trigger.