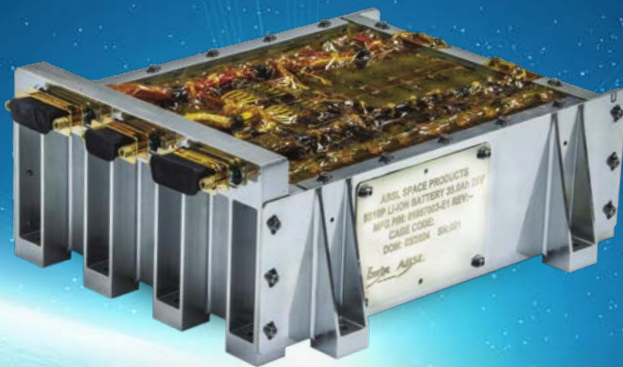


**Li-ion Rechargeable Battery  
ABSL™ 8s10p 28 V 35 Ah**

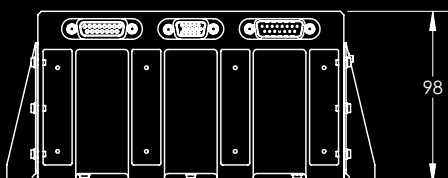
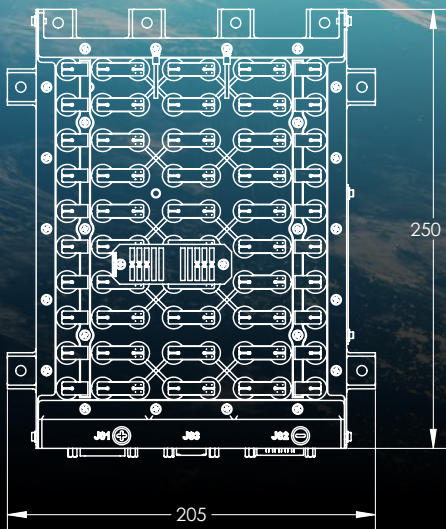


Leading the industry without failure for over 25 years of continuous in-orbit heritage using ABSL™ Li-ion battery technology.

The ABSL™ 8s10p 35 Ah battery is the newest variant of the heritage ABSL 8s10p battery design, providing increased capacity while incorporating structural design updates to accommodate the stresses found on today's launch vehicles.

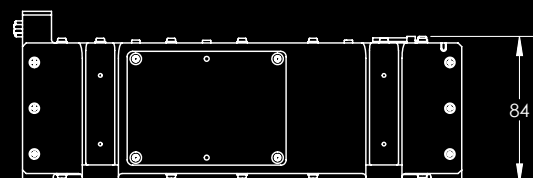
Built upon established design principles and utilizing the robust E35 3.5 Ah cell, the ABSL 8s10p 35 Ah battery delivers a safe, reliable and compact power solution for demanding space missions across all domains of space.

ABSL standard spacecraft batteries uniquely eliminate the need for complex cell balancing electronics by leveraging proprietary and flight proven manufacturing processes pioneered by EnerSys.



**Facts at a Glance**

ABSL™ Cell	18650 E35
Configuration	8s10p
Nameplate Capacity	35 Ah
Nameplate Energy	1017 Wh
Maximum Discharge Current (continuous)	14 A
Nominal Mass	4.8 kg
Footprint	250 x 205 mm
Height	98 mm
Voltage Range	24 - 33.6 V



## Li-ion Rechargeable Battery ABSL™ 8s10p 28 V 35 Ah

### Qualification

Temperature	
Non-Operating (°C)	Operating (°C)
-20 to 60	Discharge: 0 to 40
	Charge: 0 to 40

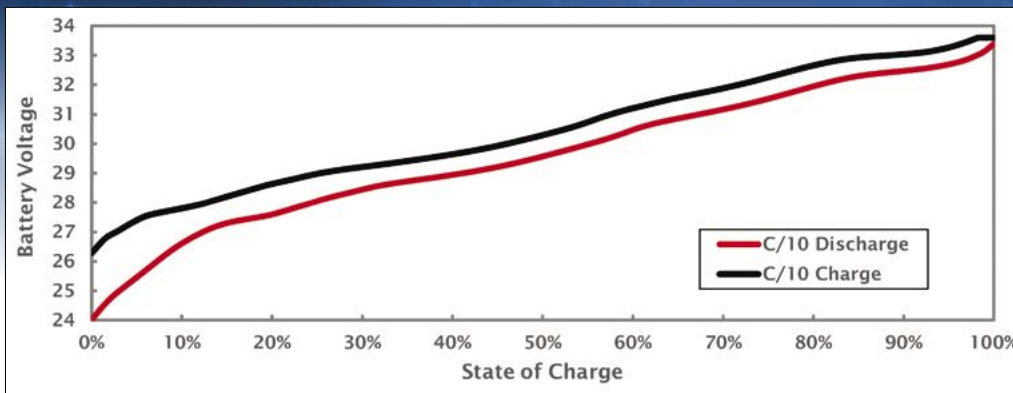
Cell Level Radiation Exposure	
Dosage	Effects
< 1Mrad	Negligible
Up to 10Mrad	<1% capacity loss

Shock	
Frequency (Hz)	PF SRS Level Test Q = 10
100	160 g
650	1,350 g
1,000	2,000 g
1,800	2,200 g
7,000	3,000 g
10,000	3,000 g

Random Vibration	
Frequency (Hz)	ASD (g <sup>2</sup> /Hz)*
20	0.024
80	0.30
250	0.30
300	0.22
700	0.22
2,000	0.032
Overall G <sub>RMS</sub>	16.4
Duration	2 min/axis

### 20°C Charge and Discharge Voltage Profiles

\*Notching utilized within profile



These batteries and controlled technical data are classified under the Commerce Control List and are subject to licensing requirements for any export. Additional export restrictions and regulations may apply depending on their end use. It is the responsibility of the purchasing or receiving party to comply with all requirements of export laws, including ensuring that all required export authorizations are in place prior to exportation or re-exportation.

