

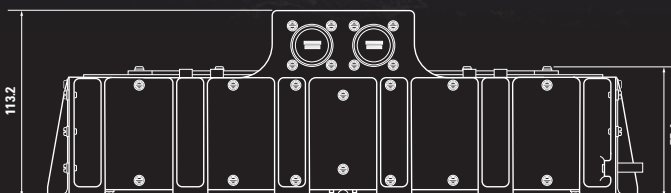
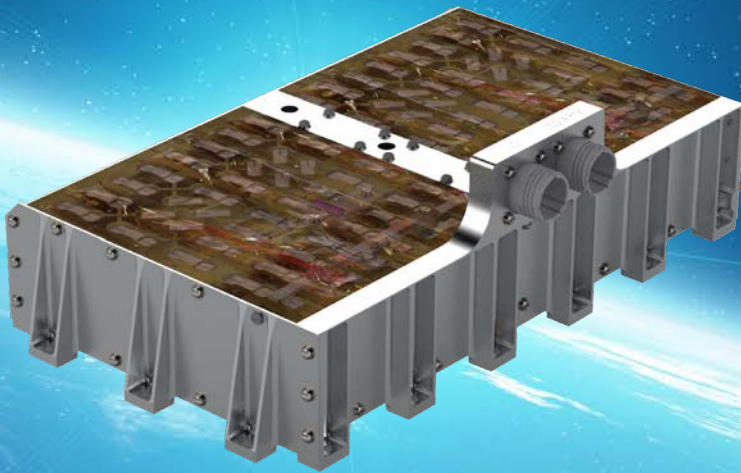
Fully qualified for space applications, this battery has been utilised on various launch vehicles, including for Thrust Vector Control (TVC).

The design incorporates two keyed circular connectors with one being used to connect to system power and does not require cell balancing electronics, making it easy to store, use and integrate into the spacecraft.

Facts at a Glance

ABSL™ Cell	P20
Topology	36s4p
Voltage Range (V)	151.2 - 108.0
Nameplate Capacity	8 Ah
Energy	1066 Wh
Footprint	209 x 362 mm
Height	115 mm
Mass (kg measured)	8.4

Celebrating customer success with over 5.5 billion cell hours of in-orbit heritage using ABSL™ Li-ion cell technology



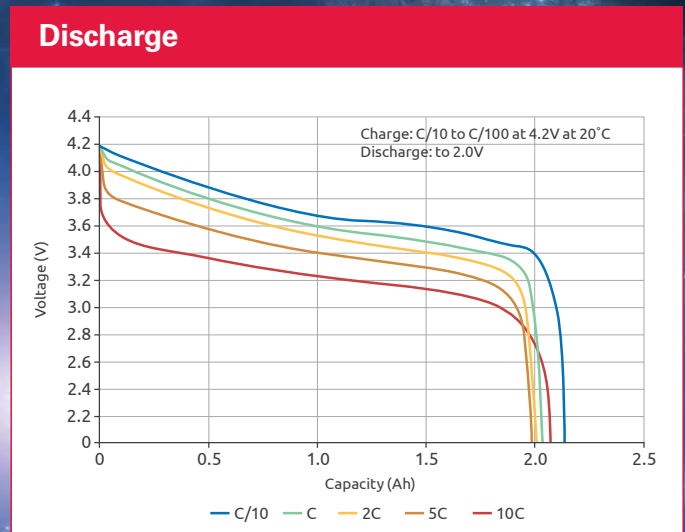
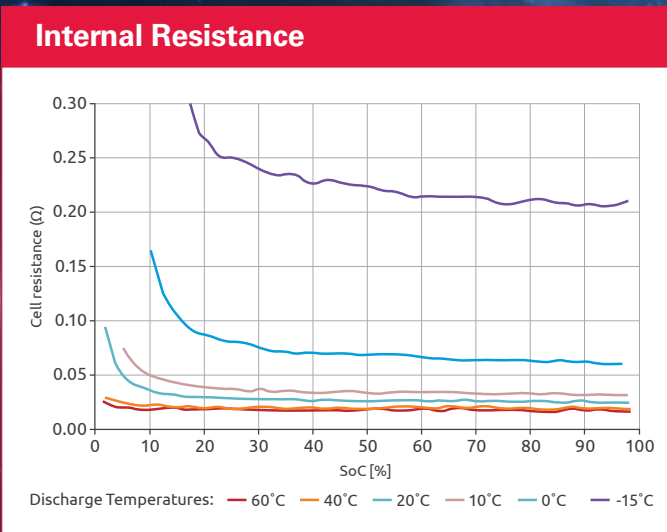
Qualification

Temperature	
Non-Operating (°C)	Operating (°C)
-20 to 60 (Cell Level Qual only)	0 to 40 (Thermal chamber only)

Cell Level Radiation Exposure	
Dosage Mrad	Effects
10	<1% decrease in capacity

Shock	
Frequency (Hz)	Input (g)
100	40
2000	3000
10,000	3000
No of shock (per axis)	3

Random Vibration	
Frequency (Hz)	Input (g²/Hz)
20	0.0913
60	0.273
1000	0.273
2000	0.0686
Overall G _{RMS}	20
Duration	4



EMEA/PAC-EN-DS-ABSL-CM1040-36s4p-0722-Preliminary

