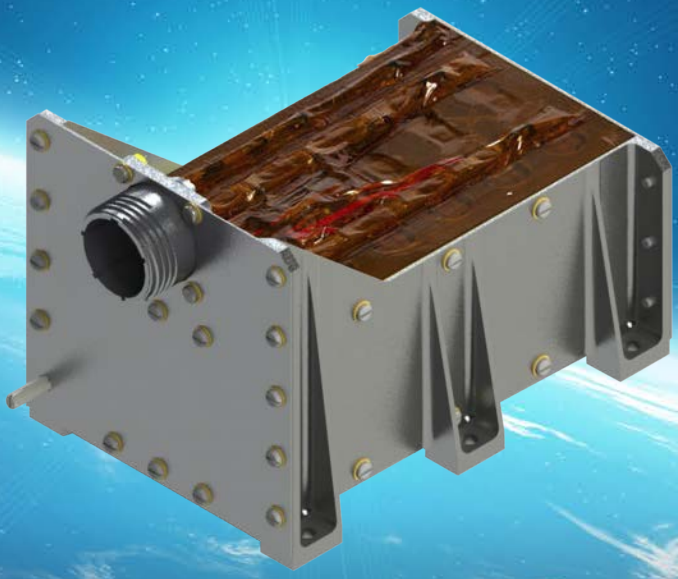
EnerSys®
Power/Full Solutions

Product Data Sheet

Li-ion Space Battery

ABSL™
CM230 - 8s4p P20 28V 8Ah



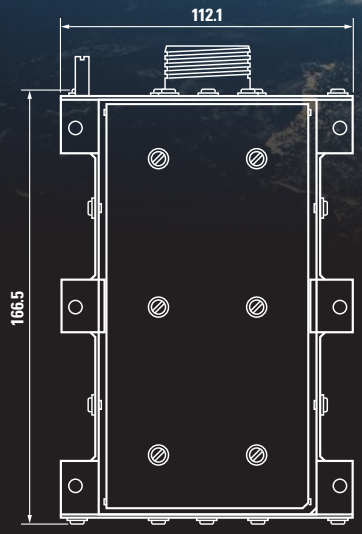
Fully qualified for space applications, this battery has been utilised for a variety of missions from communications satellites to launch vehicles.

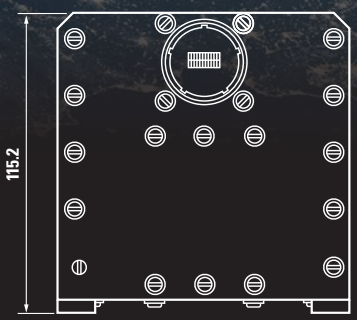
The design incorporates a single keyed circular connector and does not require cell balancing electronics, making it easy to store, use and integrate into the spacecraft.

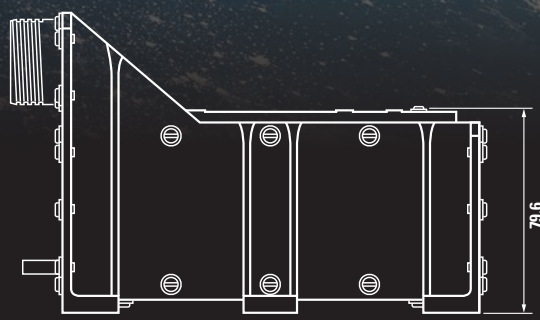
Facts at a Glance

ABSL™ Cell	P20
Topology	8s4p
Voltage Range (V)	33.6 - 24.0
Nameplate Capacity	8 Ah
Energy	236.8 Wh
Footprint	114 x 168 mm
Height	117 mm
Mass (kg measured)	2.05

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







Visit us at www.enersys.com/space

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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

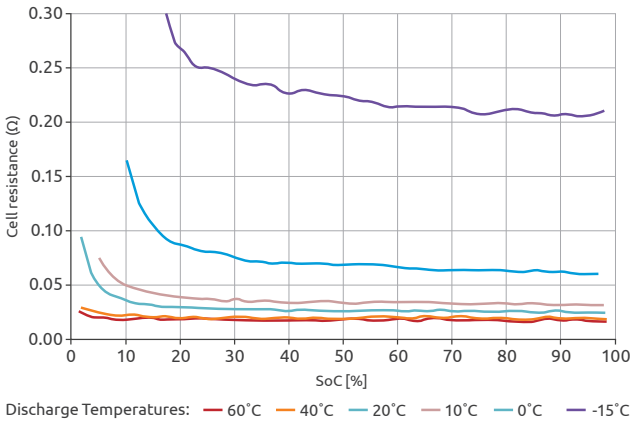
Shock

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

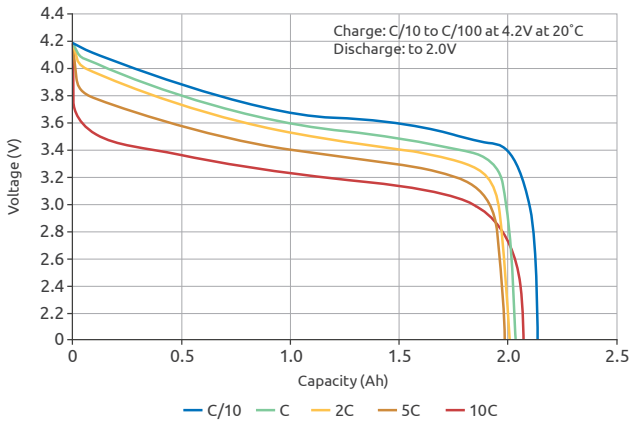
Random Vibration

Frequency (Hz)	Input (g^2/Hz)
20	0.0913
60	0.273
1000	0.273
2000	0.0686
Overall G_{RMS}	20
Duration	4

Internal Resistance



Discharge



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