



Product Data Sheet

Li-ion Rechargeable Battery ABS L 3s4p 10.8V 11.6Ah

The 3s4p 11.6Ah compact form factor battery was qualified as a high energy density and high reliability battery to meet the needs of the small spacecraft market. The 3s4p is built utilizing the same processes and procedures used for high profile civilian and military missions. The streamlined design includes a single connector and does not require cell balancing electronics, making it easy to use and integrate into the spacecraft.

Facts at a Glance

ABS L™ Cell	18650A
Configuration	3s4p
Connector	51 Position Mico-D
Nameplate Capacity	11.6 Ah
Energy	125 Wh
Mass Continuous Discharge	8.8A
Mass	0.98 kg
Footprint	98 x 86 mm
Height	59.8
Nominal Voltage	10.8V
Voltage Range	7.5 - 12.6V

**Celebrating customer success with over 2.5 billion cell hours of in-orbit heritage
using ABS L Li-ion cell technology**



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Qualification and Flight History

Temperature

Non-Operating	Operating
0°C to 40°C	Discharge: 0°C to 40°C
	Charge: 0°C to 40°C

Shock

Frequency (Hz)	PF SRS Level Test Q = 10
100	99g
160	195g
3,200	1363g
10,000	1363g

Note: via similarity

Random Vibration

Frequency (Hz)	Qualification
20	0.026 g ² /Hz
50	0.160 g ² /Hz
800	0.160 g ² /Hz
2000	0.026 g ² /Hz
Overall G _{RMS}	14.1 G _{RMS}
Duration	2 min/axis

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