



Lithium Sulfur Rechargeable Battery Data Sheet

Lithium sulfur has one of the highest theoretical specific and volumetric energy densities of any rechargeable battery chemistry. SION Power has learned how to unlock this potential and has created a unique rechargeable battery system. This patented technology is opening up new applications for rechargeable batteries and replacing existing primary and rechargeable batteries in applications where weight is a critical factor.

Typical applications include:

- Unmanned Aerial Vehicles
- Military communication systems
- Rugged notebook computers
- Tablet personal computers
- Portable medical devices

Electrical Specifications:

Voltage Range	2.5 to 1.7 Volts
Nominal Capacity	2.2 Ah @ C/5 @ 25° C
Discharge Rate	Up to 2C
Specific Energy	350 + Wh/kg
Energy Density	350 + Wh/l

Mechanical Specifications:

Configuration	Prismatic
Dimensions:	Length 55 mm
	Width 37 mm
	Thickness 11 mm
Weight	~15 grams



Operating Conditions:

Discharge Temp.	-20° C to +45° C
Charge Temp.	-20° C to +45° C
Storage Temp.	-20° C to +45° C

SION Power Inc., 9040 South Rita Road, Tucson, AZ 85747. Tel: +1-520-799-7500 Fax: +1-520-799-7501
www.sionpower.com

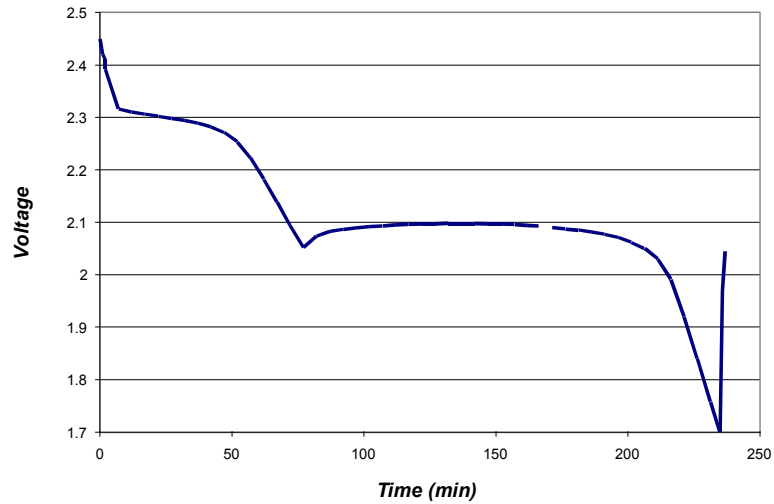
All specifications are subject to change without notice. The information contain here is for reference only and does not constitute a warranty of performance.

Date: 09/28/05 Supercedes: 7/15/04



Discharge Profile of SION Power Lithium Sulfur Cells

Discharge Current- 550mA



SION Power Inc., 9040 South Rita Road, Tucson, AZ 85747. Tel: +1-520-799-7500 Fax: +1-520-799-7501
www.sionpower.com

All specifications are subject to change without notice. The information contain here is for reference only and does not constitute a warranty of performance.

Date: 09/28/05 Supercedes: 7/15/04