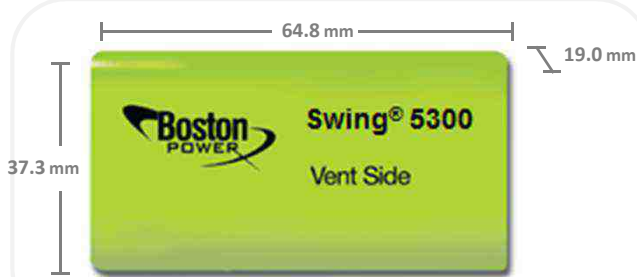




Swing® 5300 Rechargeable Lithium-ion Cell

Boston-Power's Swing 5300 offers the highest usable energy density combined with a longer cycle life at broad operating temperatures and unmatched safety features. It is ideal for a wide range of applications including Battery Electric Vehicles (BEVs), Plug-in Hybrid Electric Vehicles (PHEV), Light Commercial Vehicles (LCV), Neighborhood Electric Vehicles (NEV), and Stationary Energy Storage.

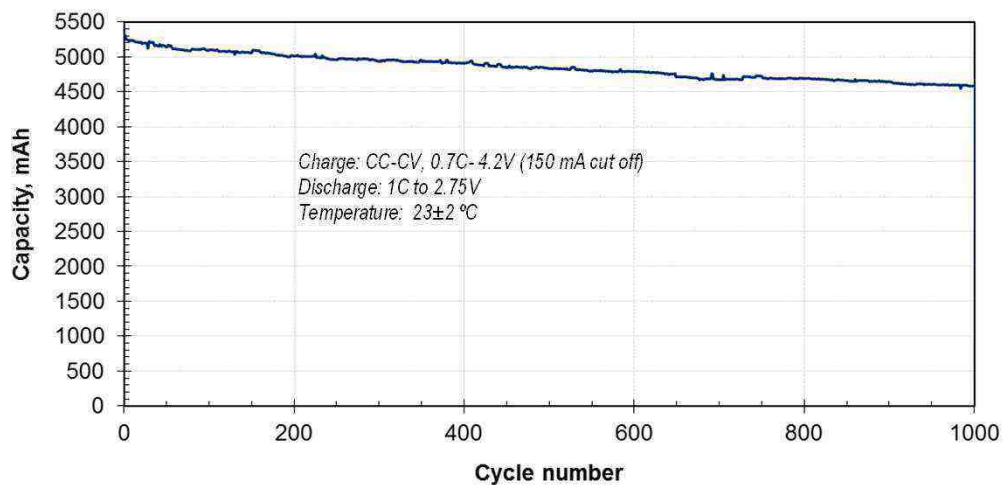
Specifications



Certifications

UN 38.3, UL1642, IEC 62133, ROHS 2002/95/EC
Nordic Ecolabel 330011

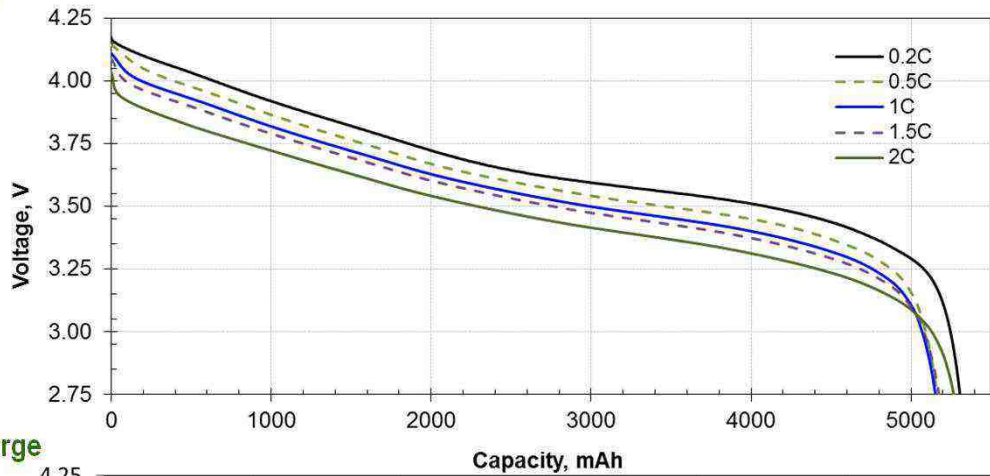
Cycle Life at 100% Depth of Discharge (DOD)



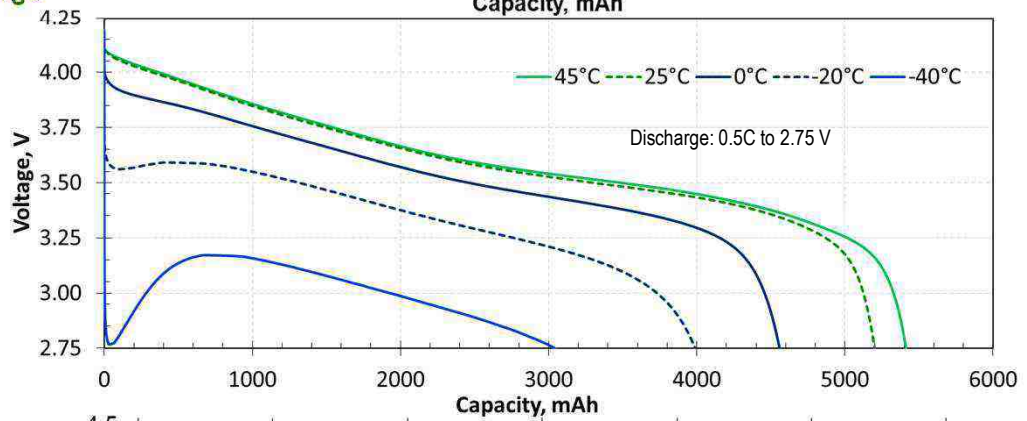
| | | |
|---|-----------------------|---------------------|
| Nominal capacity ¹ | | 5300 mAh |
| Nominal energy ¹ | | 19.3 Wh |
| Nominal voltage | | 3.65 V |
| Energy density | Gravimetric | 207 Wh/kg |
| | Volumetric | 490 Wh/L |
| Nominal cell impedance | | 15.5 mΩ |
| Cycle life (1C discharge at 23°C) | 100% DOD | >1000 cycles |
| | 90% DOD | >2000 cycles |
| | 80% DOD | >3000 cycles |
| Max continuous discharge rate (0-100% SOC) | | 13 A |
| Allowable 10s pulse capability ² | | 1000 W/kg |
| Standard charging method | Constant current (CC) | 3.7A (0.7C) to 4.2V |
| | Constant voltage (CV) | 4.2V to 50 mA |
| Max charge rate (continuous) | | 10.6 A |
| Nominal cell weight | | 93.5 g |
| Operating Temperature | Charge | -20 to +60 °C |
| | Discharge | -40 to +70 °C |
| Storage Temperature | | -40 to +60 °C |

¹ Standard discharge 0.2C to 2.75 V
² 50% to 100% SOC

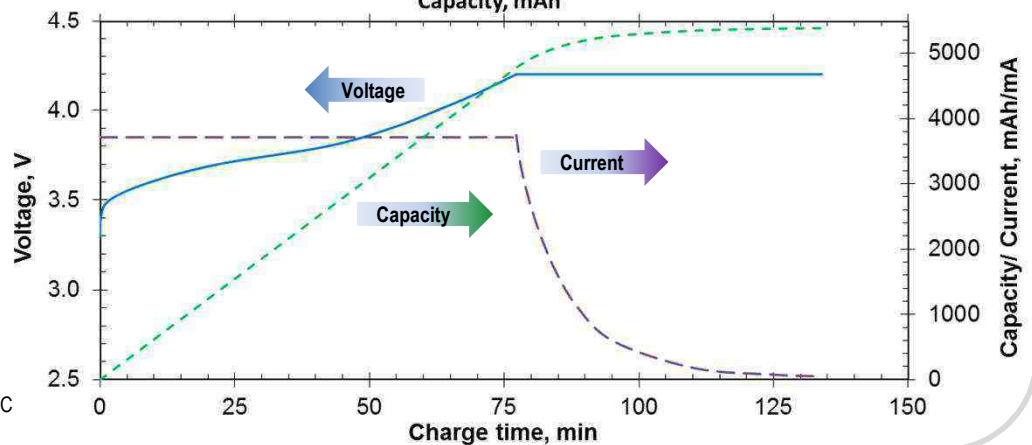
Discharge Capacity



Temperature Discharge Curve (0.5C)



Charge Curve (0.7C)



Temperature: 23°C ± 2°C
Standard Charge

940-0013-001, Rev 01

BOSTON-POWER DATA SHEET: SWING 5300

www.boston-power.com

Distributed by:



USA
Boston-Power, Inc.
2200 West Park Drive
Westborough, MA 01581-3961, USA
Phone: +1.508.366.0885

China
Boston-Power Beijing Technology Center
Yandong Building
#2 Wanhong Street (West)
Beijing 100015 China
Phone: +86 10 8439 8500

Taiwan
Boston-Power Battery Company Ltd
Suite C, 13th Floor
396 Keelung Road, Section 1
Xinyi District
Taipei, 11051, Taiwan
+886 2 2722 3325

Performance may vary depending on, but not limited to cell usage and application. If cells are used outside specifications, performance may diminish. All specifications are subject to change without notice. Some data reflects expected performance for product in development. All information provided herein is believed, but not guaranteed to be accurate.

1573 Laperriere Ave. Ottawa ON K1Z 7T3
(613) 725-3704 www.cantecsystems.com

©2013 Boston-Power, Inc. All rights reserved. No portion of this material may be copied or reproduced, in any manner, without the express written consent of Boston-Power. The Boston-Power logo, Swing, Sonata, Swing Tempo and Swing Key are all trademarks or registered trademarks of Boston-Power, Inc. which retains sole rights to their use.