



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.

Type	Lithium ion (Rechargeable) Lithium - LiNMC
Model	Swing5300
Configuration	1S 1P
Nominal Voltage	3.65V
Capacity*	Nominal: 5.3Ah Typical: 5.3Ah Minimum: 5.3Ah *:Standard discharge 0.2C to 2.75 V
Nominal Energy	19.3Wh
Energy Density	490Wh/l
Energy Gravimetric	207Wh/kg
Service Life	>1000 cycles : (100% DOD) >2000 cycles : 90% DOD >3000 cycles : 80% DOD
Internal Resistance	15.5mOhm
Charge Mode	Standard charging method: - Constant current (CC) 3.7A (0.7C) to 4.2V - Constant voltage (CV) 4.2V to 50 mA
Charge Voltage	4.2
Max. Charge Current	10.6A
Discharge Cutoff Voltage	2.75V
Max. Discharge Current	Continuous: 13A Pulsed: 10A Allowable 10s pulse capability (0% to 50%DOD): 1000W/Kg
Weight	Approx. 93.5g
Dimensions	Height = 64.80mm Length = 37.30mm Width = 19.00mm
Container/Housing	Aluminium
Temperature Range	Charge: -20 ~ 60 °C Discharge: -40 ~ 70 °C Storage: -40 ~ 60 °C

Features

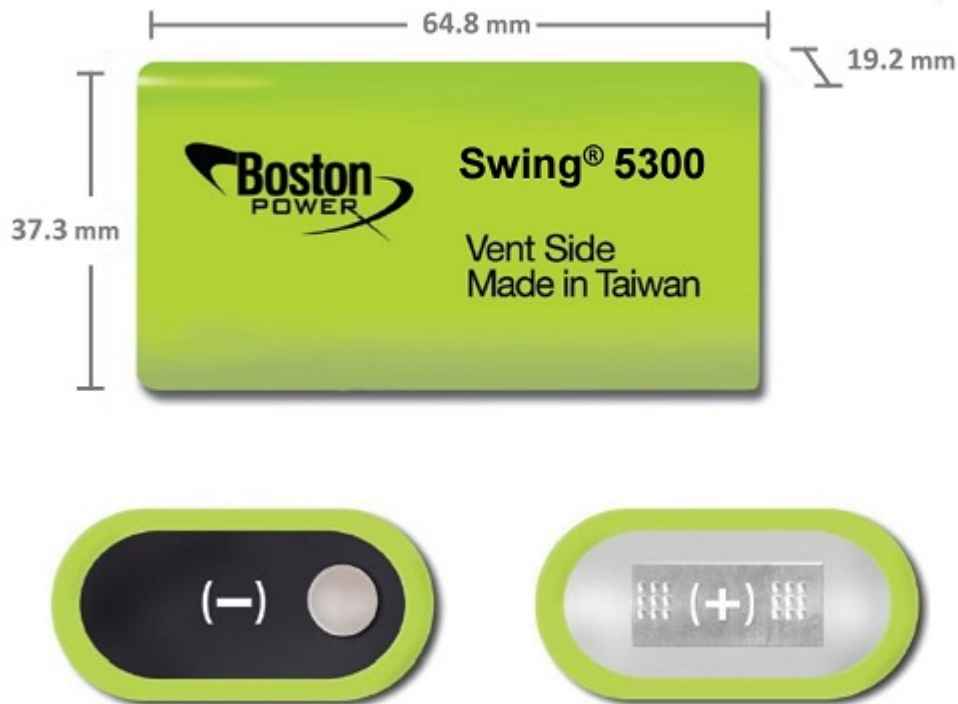
- High density lithium-ion cell
- Wide operating temperature
- Long cycle life
- Fast charge capability
- High power transients
- Safe battery technology
- Independent side vent for enhanced safety
- Ideal for high voltage (>4S) systems
- Same footprint as two parallel 18650s

Applications

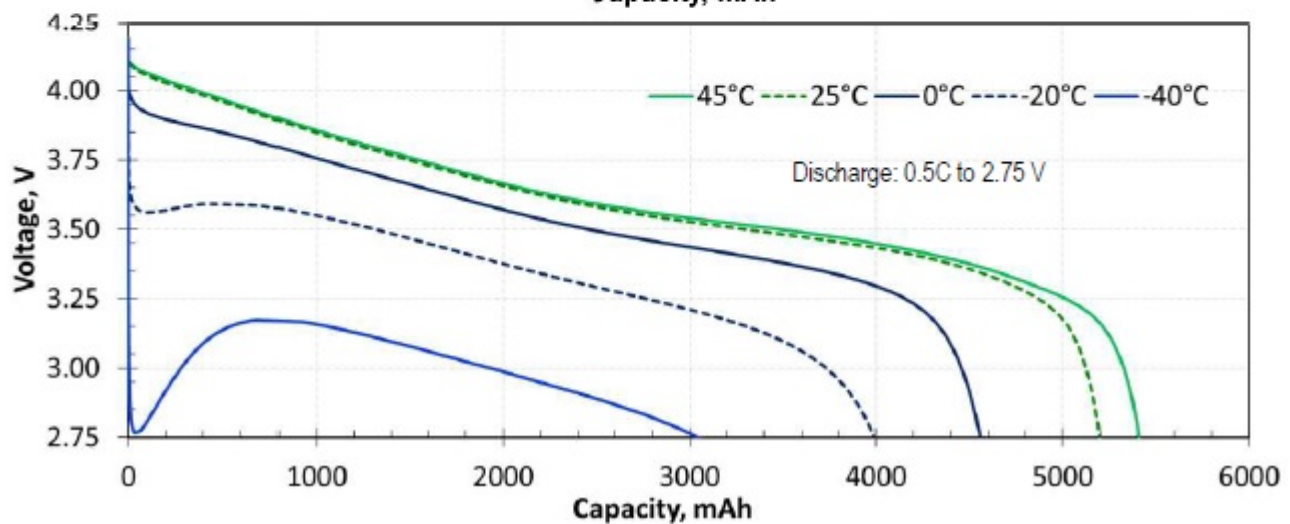
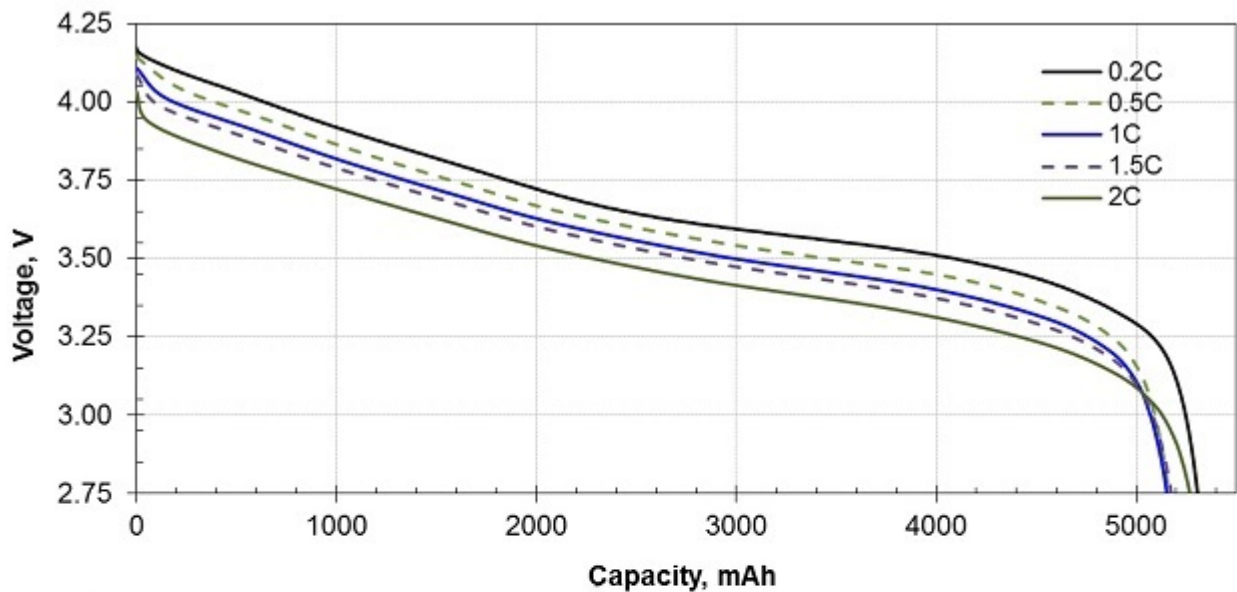
- Battery Electric Vehicles
- Plug-in Hybrid Electric Vehicles
- Light Commercial Vehicles
- Neighborhood Electric Vehicles
- Stationary Energy Storage

Swing5300 Data-Sheet

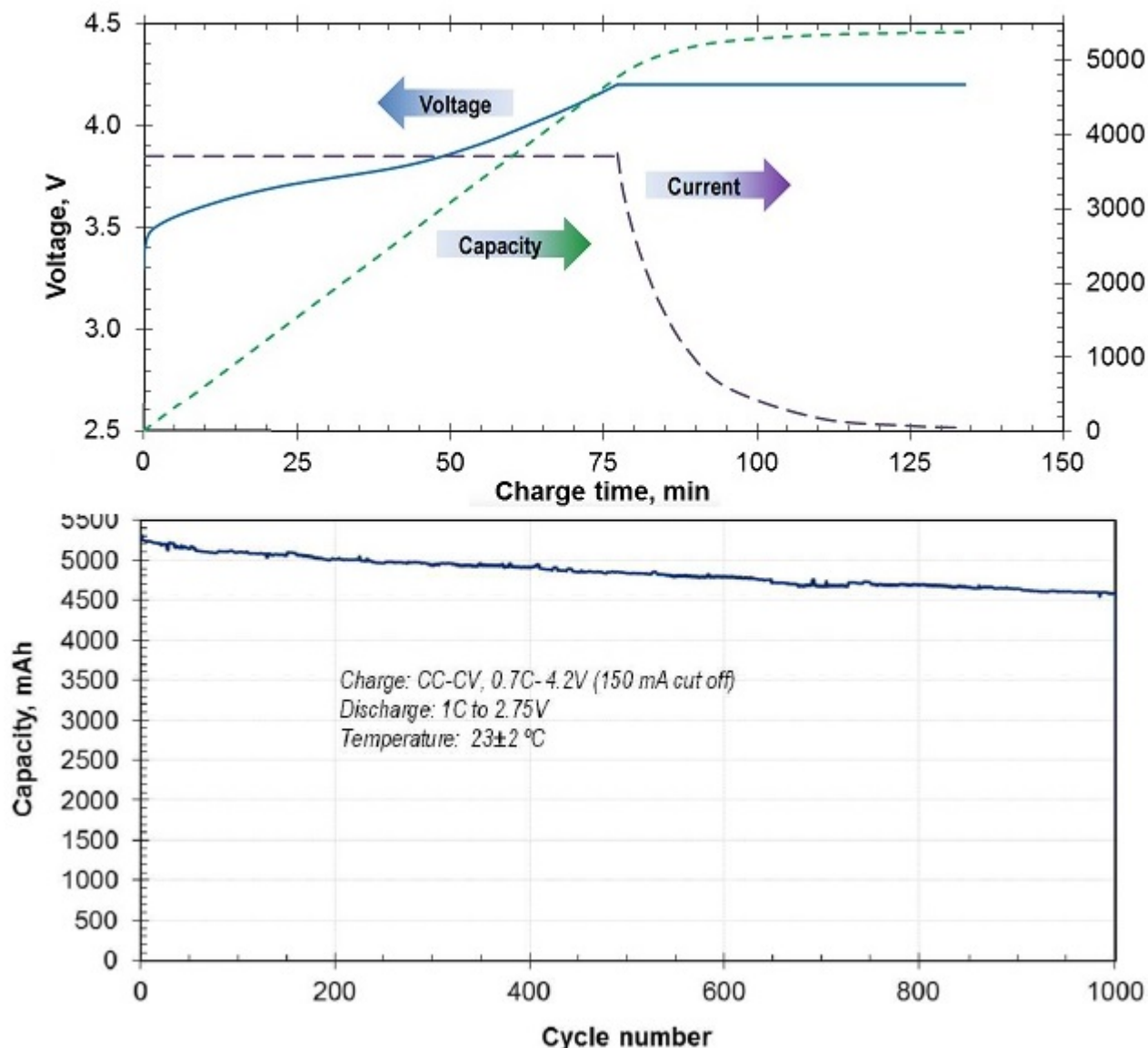
Drawing



Discharge curve



Charge curve



Contact

Visit www.gpbmindustry.com for more information.

Providing the best battery solution and customization is our expertise.
For any queries or clarification, please contact info@gpbmindustry.com