

VR420A 14.4V 6.2Ah 89.3Wh
Rechargeable Lithium Ion
Smart Battery

Specifications

Table with 3 columns: Model, Parameter, and Value. Rows include Capacity, Charging, Discharging, Storage, Cycle Life, Dimensions, Weight, Fuel Gauge, Termination, and Certification details.

Notes

- 1. CVCC 16.80V, 3A charge to Terminate Charge Alarm at +20°C.
- 2. 0.2C discharge to Terminate Discharge Alarm at +20°C.
- 3. 0.5C discharge to Terminate Discharge Alarm at +20°C.
- 4. Discharge performance degrades at lower temperatures. Empirical testing in application is suggested to determine suitability. Maximum current capability may not be available at low temperatures.
- 5. To 80% of 0.2C minimum rated capacity
- 6. Cycle life degrades at higher operating temperatures, empirical testing in application suggested to determine suitability.
- 7. Battery will disconnect itself below this level.
- 8. Do not exceed this level.

The VR420A is available off the shelf and can also be customised for your application, getting you to market quickly and confidently.

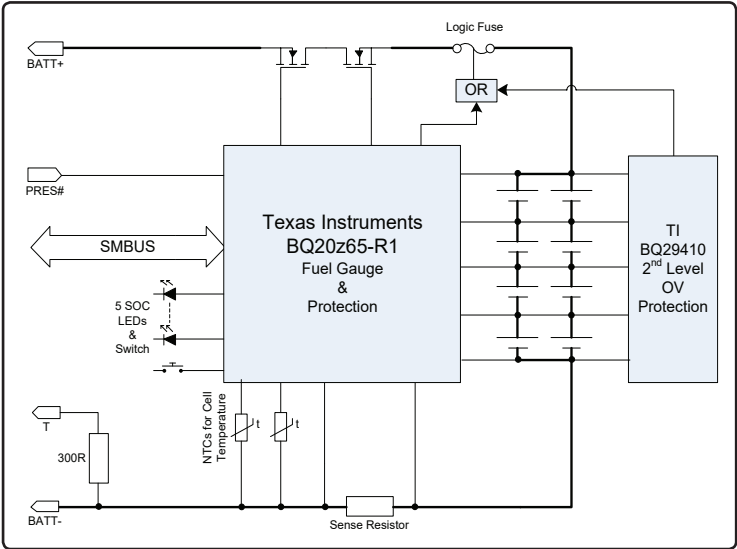
Features

- 14.4V high energy density Lithium Ion technology
- High current delivery (6.2A continuous)
- Compact mechanical footprint
- SBDS rev1.1 compliant impedance tracking fuel gauge
- Active protection circuitry (OV, UV, OC, SC)
- 5-Bar LED visual state of charge indicator
- Redundant passive over-current protection
- 6 position Samtec connector interface
- Tough plastic enclosure
- IEC 62133-2 and UL 2054 (safety) compliant
- UN38.3 (transportation) compliant
- CE marked (EMC/ESD compliance)

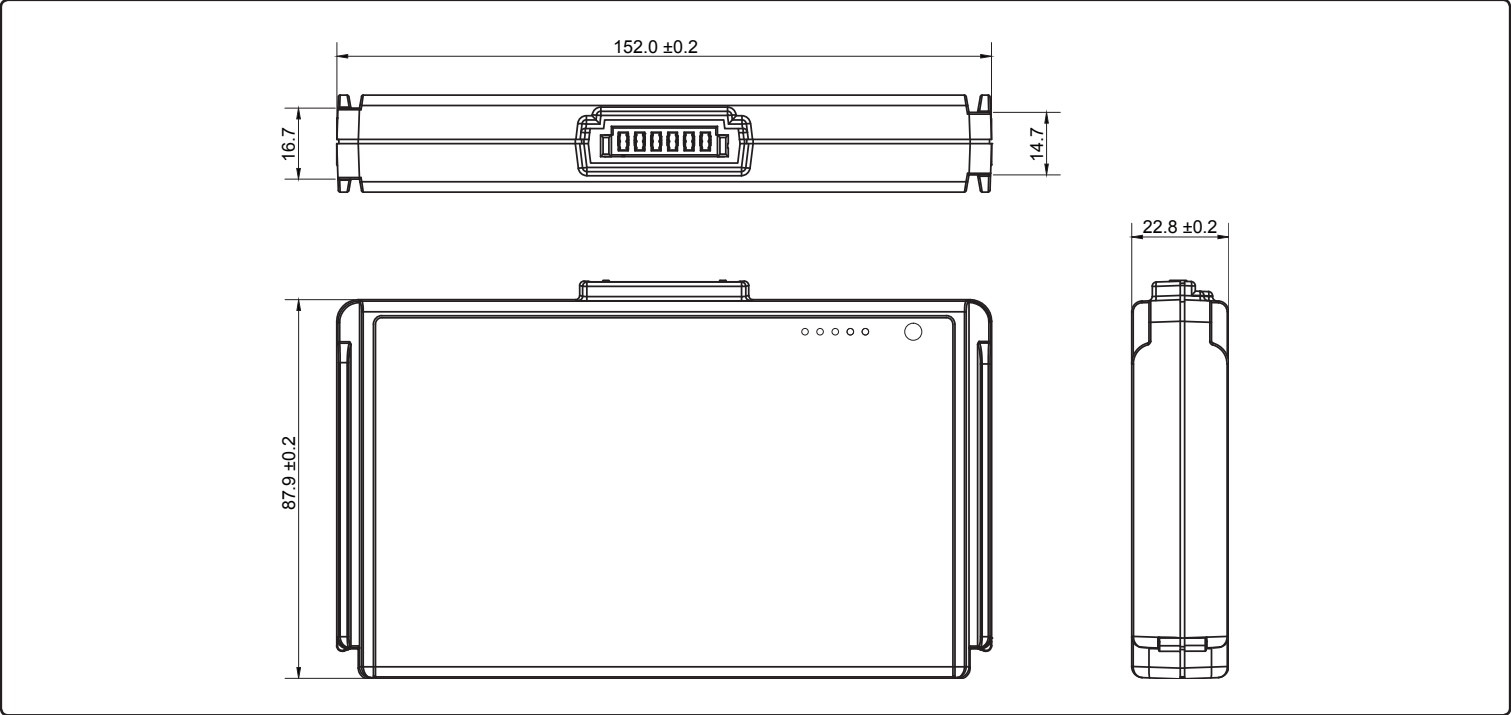
Image



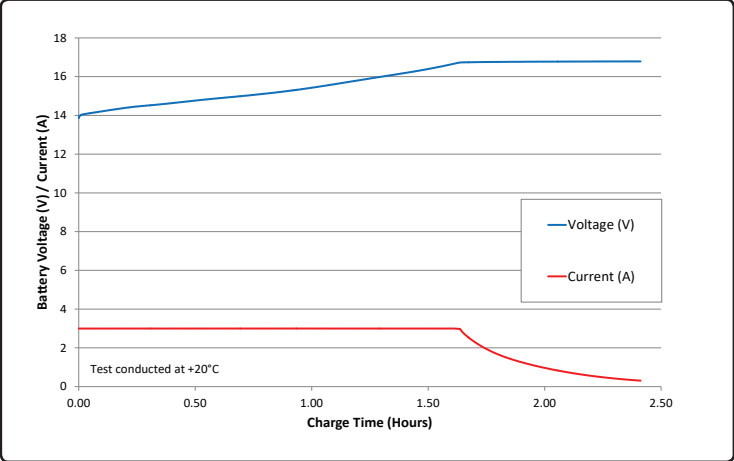
Block Diagram



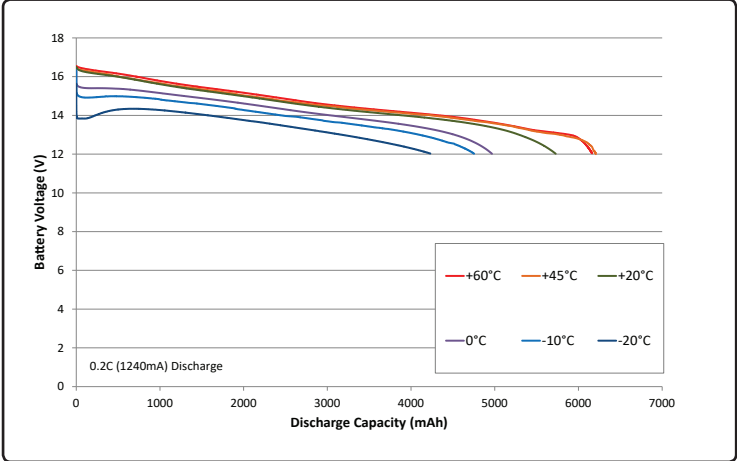
Mechanical Drawing



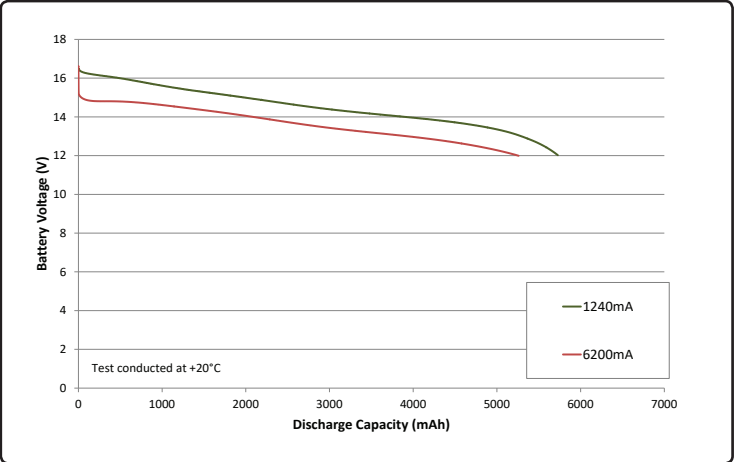
Typical Charge Performance



Typical Discharge Performance at Various Temperatures



Typical Discharge Performance at Various Rates



VR420A

