

The bq20z90 SBS-compliant gas gauge IC, incorporating patented Impedance Track™ technology, is designed for battery-pack or in-system installation. The bq20z90 measures and maintains an accurate record of available charge in Li-ion or Li-polymer batteries using its integrated high-performance analog peripherals. The bq20z90 monitors capacity change, battery impedance, open-circuit voltage, and other critical parameters of

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- Patented Impedance Track™ Technology Accurately Measures Available Charge in Li-Ion and Li-Polymer Batteries
- Better than 1% Error Over Lifetime of the Battery
- Instant Accuracy — No Learning Cycle Required
- Automatically adjusts for battery aging, battery self

Parametrics

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	BQ20Z90-V150	BQ20Z70-V160	BQ20Z75-V180	BQ20Z95
# Series Cells	2-4 Cells	2-4 Cells	2-4 Cells	2-4 Cells
Cell Chemistry	Li-Ion Li-Polymer	Li-Ion Li-Polymer	Li-Ion Li-Polymer	Li-Ion Li-Polymer
Battery Capacity (Max) (mAh)	15000	15000	15000	15000
Communication Interface	SMBus	SMBus	SMBus	SMBus
Battery Capacity (Min) (mAh)	800	800	800	800
External Capacity Indication	LED			LED
Implementation	Pack	Pack	Pack	Pack