Achieving these six battery characteristics requires excellent material characterization so that materials perform optimally in a wide variety of applications and environments.

Waters / TA Instruments thoroughly understands the specialized needs of battery researchers and developers. Our solutions include thermal analysis, rheology, calorimetry, chromatography, and mass spectrometry that are designed to power battery material innovation and manufacturing.

Lithium-ion batteries represent a key technology to achieve carbon-neutrality by facilitating greater electrification of

CONSUMER ELECTRONICS
AUTOMOBILES
INDUSTRIAL EQUIPMENT

Lithium-ion batteries represent a key technology to achieve carbon-neutrality by facilitating greater electrification of consumer electronics, automobiles, and industrial equipment. Despite the phenomenal growth in lithium-ion battery adoption in recent years, battery researchers strive to develop lithium-ion batteries with improved runtime, power output, safety, energy density, cycle life, and cost.