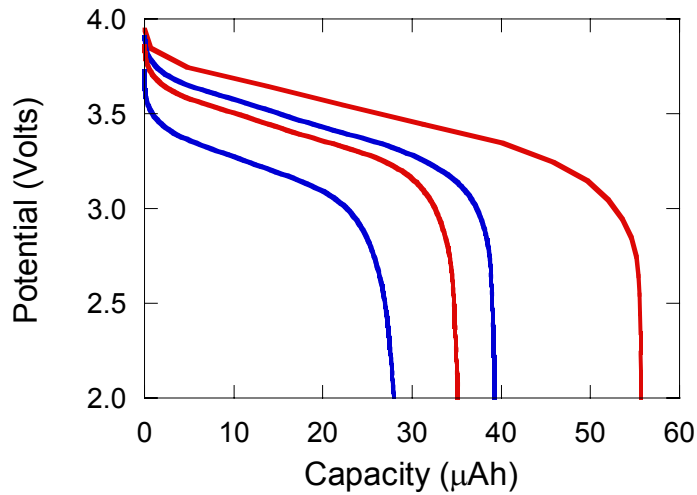


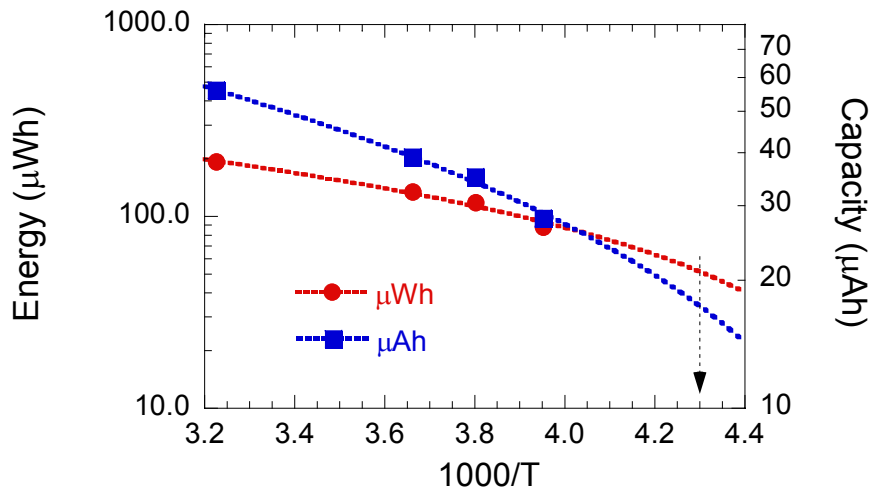
Thin Film Lithium-Ion Batteries

Low Temperature Discharge

A ORLI.0.5CL series 28A battery was cycled at temperatures of 37°C, 0°C, -10°C, and -20°C.



Discharge curves measured at temperatures of 37°C, 0°C, -10°C, and -20°C and using a current of 20 μA.



The energy and capacity delivered at the end of discharge are indicated by the red and blue data points, respectively. The dotted lines through the data serve only as a guide to the eye. The black arrow indicates a temperature of -40°C.