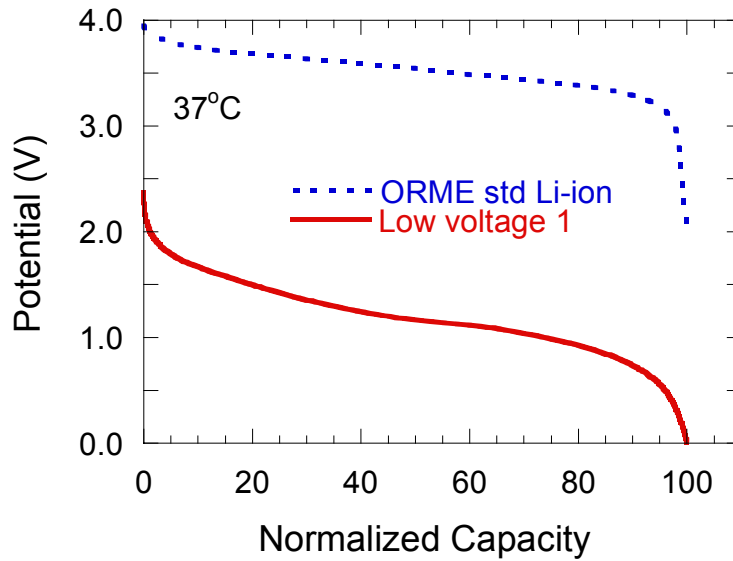


Thin Film Lithium-Ion Batteries

Low Voltage Prototype

Several microelectronic companies have requested a thin film lithium-ion battery that can operate from 2 V to 1.2 V. The discharge curve of ORME's first low-voltage prototype battery is shown in the figure below, and the percentages of the total capacity above selected cutoff discharge voltages are given in accompanying table. Work is in progress to increase the percentage capacity above 1.2 V. Contact ORME for additional details.



Discharge curves for a standard ORME Li-ion battery and a prototype low-voltage cell. Discharge rate approximately C/2.

Discharge End Potential (V)	% Capacity
0	100
0.5	96
1.0	74
1.2	45