



Primary Cells

PRIMARY (non-rechargeable) cell and battery packs are commonly used for applications with relatively low power requirements.

Primary Cells	Nominal Voltage [V]	Energy Density [Wh/kg]	Energy Density [Wh/L]
Zinc Carbon	1.5	36	90
Alkaline	1.5	165	400
Lithium Iron Disulfide	1.5	300	500
Silver Oxide	1.5	130	500
Lithium Sulfur Dioxide	2.9	500	350
Lithium Manganese Dioxide (CR)	3.0	280	580
Lithium Carbon Monofluoride (BR)	3.0	500	1000
Lithium Thionyl Chloride (ER)	3.6	710	1420

Secondary Cells

SECONDARY (rechargeable) cell and battery packs offer a wide selection of chemistries and are experiencing tremendous growth in both consumer and industrial markets.

Secondary Cells	Nominal Voltage [V]	Energy Density [Wh/kg]	Energy Density [Wh/L]	Cycle Life
Nickel Cadmium (NiCd)	1.2	40 - 60	50 - 150	500 - 2,000
Nickel Metal Hydride (NiMH)	1.2	60 - 120	140 - 300	1,000 - 3,000
Lead Acid	2	33 - 42	60 - 110	250
Lithium Titanate (LTO)	2.4	30 - 110	177	3,000 - 10,000
Lithium Iron Phosphate (LFP)	3.2	90 - 110	180 - 220	2,000
Lithium-Ion (Lion)	3.7	100 - 265	250 - 620	400 - 1,200
Lithium-Polymer (LiPo)	3.7	100 - 265	250 - 730	300 - 800

Visit our website at zeusbatteryproducts.com to download PDF files containing data sheets of relevant product specifications and charts.