

# RC Battery Type Comparison

Battery Type	Volts per Cell	Charge Method	Max Charge Rate	Max Discharge Rate	Storage Charge	Charge Cycles	Energy Density	Self-Discharge Rate	Cons
Pb Acid	1.7 / 2.0 / 2.3	CV	1C	8C - 15C	100%	200	35 wh/kg	5% Per Week (constant)	Weight
NiCd	1.15 / 1.2 / 1.35	CC	2C - 4C*	20C - 40C	100%	1000	40 wh/kg	15% Per Week (constant)	Memory / Weight
NiMH	1.15 / 1.2 / 1.35	CC	1C - 2C*	5C - 15C	100%	500	80 wh/kg	40% Per Week (constant)	Memory / Weight
EneLoop	1.15 / 1.2 / 1.35	CC	1C	5C - 15C	100%	1000	80 wh/kg	1% Per Week (delcining)	Weight
Li-Ion	3.5 / 3.7 / 4.2	CC / CV	1C	2C - 3C	60%	500	150 wh/kg	1% Per Week (delcining)	Low Discharge
Li-Mn	3.5 / 3.7 / 4.2	CC / CV	1C	10C - 20C	60%	500	160 wh/kg	1% Per Week (delcining)	High Cost
LiPo	3.5 / 3.7 / 4.2	CC / CV	1C - 5C*	10C - 45C*	60%	500	170 wh/kg	2% Per Week (delcining)	Fire Risk
LiFePO4 (A123)	3.29 / 3.3 / 3.6	CC / CV	2C - 10C*	5C - 30C	60%	2000	120 wh/kg	1% Per Week (delcining)	Weight / Monitoring

\* Follow the Manufacturer's Recommendation