



SoC	Flooded Lead Acid (FLA)*	AGM (VRLA)	Range & Warnings	SoC	LiFePO4	Fortress	ARK	Pytes	Simpli3.7	HomeGrid	TeslaS	Outback & Schneider Settings	
100%		64.20	Cycling in this zone will ensure a reasonable life expectancy. Depth of Discharge = 50% for FLA & VRLA, 80% for LiFePO4	100%	58.40	3.65	---	57.60	58.00	60.00	54.75	51.10	
100%		64.00		100%	57.60	3.60	56.40	---	56.80	56.40	54.00	50.40	☐ HBCO, 10 seconds
100%		59.60		100%	56.80	3.55	55.20	56.80	56.80	56.40	53.25	49.70	☐ HBCI
100%		58.80		100%	56.00	3.50	56.00	56.00	56.00	54.00	52.50	49.00	☐ EQ.cc 1 hr, ☐ EQ.inv 1 hr
100%		57.60		100%	55.20	3.45	54.40	53.60	55.20	56.40	51.75	48.30	☐ ABS.cc 1-4 hrs, End: 4% or OFF, ☐ ABS.inv 1 hr
100%		54.40		100%	54.40	3.40	54.40	0.00	54.40	54.40	51.00	47.60	☐ FLT.cc, 1 hr, ☐ FNDC.chg'd, 30 min, 8A
100%		53.60		95%	54.00	3.37	52.40	52.40	54.00	54.00	50.62	47.25	☐ SellRE, 53.60 or 54.00 [85-95% SOC], Re-Bulk.cc
100%		51.20		90%	53.60	3.35	52.40	52.40	53.60	54.00	50.25	46.90	☐ At Rest
90%		50.80		85%	53.30	3.33							☐ FLT.inv, ☐ Re-Float, 0 hours
80%		50.40		80%	53.10	3.32							☐ XW.ReCharge.cc
70%		49.60	60%	52.40	3.28	52.40	0.00	52.40		49.13	45.85	☐ Grid Zero, DOD 1-25 Amps	
60%		49.20	40%	52.00	3.25							☐ Re-Bulk-AGM, ☐ Re-Bulk-LiFePO4 INV or as low as 51.2V	
50%	48.00	48.80	←	20%	51.20	3.20	51.20	51.20	51.20	50.80	48.00	44.80	☐ LiFePO4 AGS 2hr Start, ☐ LBCI-LiFePO4
40%		48.00	Occasionally this zone is okay; too much will shorten life.	15%	50.40	3.15	51.20	0.00			47.25	44.10	☐ AGS 2 minute
30%		47.60		10%	49.60	3.10	49.60	0.00		50.00	46.50	43.40	☐ LBCO-LiFePO4, 24 seconds
20%		47.20		8%	48.80	3.05	50.00	51.00	48.80	50.00	45.75	42.70	☐ AGS 2hr Start,
10%		46.80	Dropping into this zone will permanently damage battery.	1%	48.00	3.00	49.60	0.00	48.00		45.00	42.00	☐ LBCI-AGM;
0%		<46.4											☐ LBCO-AGM, 123 seconds 4VJ
Nominal	48	V [12, 24, 48]		0%	47.20	2.95	46.50	0.00	46.50		44.25	41.30	☐ BTS: LiFePO4: -1mV/C, AGM: -84mV/C