



Customer: _____ Date: _____

Help Yourself to the Sun!

SoC	Flooded Lead Acid (FLA)*	AGM (VRLA)	Range & Warnings	SoC	LiFePO4	Vpc	Fortress	ARK	Pytes	Simpli3.7	HomeGrid	TeslaS	
100%		64.20	Cycling in this zone will ensure a reasonable life expectancy.	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	
100%		59.60		100%	56.80	3.55	55.20	56.80	56.80	56.40	53.25	49.70	
100%		58.80		100%	56.00	3.50	56.00	56.00	56.00	54.00	52.50	49.00	
100%		57.60		100%	55.20	3.45	54.40	53.60	55.20	56.40	51.75	48.30	
100%		54.40		Depth of Discharge = 50% for FLA & VRLA, 80% for LiFePO4	100%	54.40	3.40	54.40	0.00	54.40	54.40	51.00	47.60
100%		53.60			95%	54.00	3.37	52.40	52.40	54.00	54.00	50.62	47.25
100%		51.20			90%	53.60	3.35	52.40	52.40	53.60	54.00	50.25	46.90
90%		50.80			85%	53.30	3.33						
80%		50.40			80%	53.10	3.32						
70%		49.60	60%		52.40	3.28	52.40	0.00	52.40		49.13	45.85	
60%		49.20	40%		52.00	3.25					48.75		
50%	48.00	48.80	20%		51.20	3.20	51.20	51.20	51.20	50.80	48.00	44.80	
40%		48.00	15%		50.40	3.15	51.20	0.00			47.25	44.10	
30%		47.60	10%		49.60	3.10	49.60	0.00		50.00	46.50	43.40	
20%		47.20	8%	48.80	3.05	50.00	51.00	48.80	50.00	45.75	42.70		
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	
0%		<46.4											
Nominal	48	V [12, 24, 48]		0%	47.20	2.95	46.50	0.00	46.50		44.25	41.30	

Open Loop Outback & Schneider Settings

- HBCO, 10 seconds ((as low as 56.0 for some))
- HBCI
- EQ.cc 1 hr, EQ.inv 1 hr ((up to 56.4))
- ABS.cc 1-4 hrs, End: 4% or OFF, ABS.inv 1 hr
- FLT.cc, 1 hr, FNDC.chg'd, 30 min, 8A
- SellRE, 54.00 [95% SOC], Re-Bulk.cc
- At Rest, SellRE, 53.60 [90% SOC]
- FLT.inv, Re-Float, 0 hours
- XW.ReCharge.cc
- Grid Zero, DOD 1-25 Amps
- Re-Bulk-AGM, Re-Bulk-LiFePO4 INV or as low as 51.2V
- LiFePO4 AGS 2hr Start, LBCI-LiFePO4
- AGS 2 minute
- LBCO-LiFePO4, 24 seconds
- AGS 2hr Start,
- LBCI-AGM;
- LBCO-AGM, 123 seconds 4VJ
- BTS: LiFePO4: -1mV/C, AGM: -84mV/C
- FM80 Temp Comp Lower: 52V, Upper: 56V LiFePO4