




How To Set Up Fortress Power Lithium Batteries Using OutBack Inverter/Chargers

This guide covers the recommended set up and configuration of Schneider equipment for optimizing performance with Fortress LFP batteries. More information on Fortress products can be found on our website: www.fortresspower.com

Parameter Setting for Fortress LFP-10 & 15 battery with OutBack Inverter/Chargers

Inverter	80% DoD, 6000 cycles	90% DoD, 3000 cycles
Absorb Voltage and Time	55.4, 0.1 hour	57.6, 0.1 hour
Float Voltage and Time	54.4, Time = 0 = Disable	
Re-float Voltage	50 (Disabled, leave at default)	
Re-Bulk Voltage	50.6	
AC Input Mode	Grid Tied (default, adjust as needed)	
SellRE (Offset) Voltage	52 (default)	
AC Charger Limit in AC	12A@240V or 24A@120V per battery	23A@240V or 47A@120V per battery
Low Battery Cut-Out Voltage	50.7	48.4
Low Battery Cut-in Voltage	52	
Charge Controller		
Absorb Voltage and Time	56, 0.1 hour	58, 0.1 hour
Float Voltage	54.4	
Rebulk Voltage	50.6	
DC Current Limit	50 A per battery	100 A per battery
Absorb End Amps	0	
FLEXnet DC (FN-DC)		
FN-DC Battery Ah	LFP-10: 205/ LFP-15: 305 per battery	
FN-DC Charge Voltage	55.2	57.4
FN-DC Charged Return	LFP-10: 11A/ LFP-15: 16A	
FN-DC Battery Charge	98%	
FN-DC Relay Invert Logic	No	
FN-DC Relay Voltage	High = 53.4 ; Low = 48.4	
FN-DC Relay SOC High/Low	SOC High = 0% SOC Low = 0%	
FN-DC Relay Delay	High = 1, Low = 0	
MATE3/MATE3s		
FLEXnet DC Advanced	Low SOC Warning = 20%	
FLEXnet DC Advanced	Critical SOC Warning = 10%	

 **Please reassess capacity and charge/discharge current settings, when Fortress battery quantities change.**

Should you have any questions, please don't be hesitate to contact us!

Warm regards from Fortress team