



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, LFP-15 & eVault series battery with OutBack Inverter/Chargers

Inverter	80% DoD, 6000 cycles	90% DoD, 3000 cycles
Absorb Voltage and Time	54.4, 0.1 hour	54.6, 0.1 hour
Float Voltage and Time	54 Time = 0 = Disable	
Re-float Voltage	50 (Disabled, leave at default)	
Re-Bulk Voltage	50	
AC Input Mode	Grid Tied (default, adjust as needed)	
AC Charger Limit in AC	LFP-10 & LFP-15: 17A@240V or 34A@120V per battery eVault: 30A@240V or 60A@120V per battery	
Low Battery Cut-Out Voltage	49.6	48.4
LBCO Delay	5 seconds	
Low Battery Cut-in Voltage	52	
High Battery Cut-Out Voltage	58	
HBCO Delay	5 seconds	
High Battery Cut-in Voltage	56	
SellRE (Offset) Voltage	53.2	
Charge Controller		
Absorb Voltage and Time	54.8, 0.1 hour	56, 0.1 hour
Float Voltage	54.4	
Rebulk Voltage	50.4	
DC Current Limit **	LFP-10 & LFP-15: 80 A per battery eVault: 150 A per battery	
Absorb End Amps	0	
FLEXnet DC (FN-DC)		
Battery AH	LFP-10: 200 per battery LFP-15: 300 per battery eVault: 360 per battery	
Charge Voltage	54.4	
Charged Return Amps	8A	
Battery Charge	98%	
Relay Invert Logic	No	
Relay Voltage	High = 53.4 ; Low = 49.6	
Relay SOC High/Low	SOC High = 0% SOC Low = 0%	
Relay Delay	High = 1, Low = 0	
MATE3/MATE3s		
FLEXnet DC Advanced	Low SOC Warning = 20%	
FLEXnet DC Advanced	Critical SOC Warning = 10%	



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

***Ensure the maximum battery charging current is not exceeded after all charge controllers are taken into consideration (i.e. – 2 FM100 controllers would charge at 200 A total, a violation of the limit if only one LFP-10 is used).*

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

Warm regards from Fortress team