



## How To Set Up Fortress Power Lithium Batteries Using Sol-Ark Inverter

This guide covers the recommended set up and configuration of Sol-Ark 8KW Inverter for optimizing performance with Fortress LFP batteries. More information on Fortress products can be found on our website: [www.fortresspower.com](http://www.fortresspower.com)

Parameter Setting for Fortress LFP-10, LFP-15 and eVault 16.5 battery with Sol-Ark 8KW

Battery		
	80% DoD, 6000 cycles	90% DoD, 3000 cycles
Battery Capacity	LFP-10: 200AH per battery LFP-15: 300 AH per battery eVault 16.5: 360AH per battery	
Max A Charge Rate	LFP-10: 50A per battery LFP-15: 50A per battery eVault 16.5:100A per battery	LFP-10: 80A per battery LFP-15: 80A per battery eVault 16.5:150A per battery
Max A Discharge Rate	LFP-10: 100A per battery LFP-15: 100A per battery eVault 16.5: 160A per battery	
TEMPCO	0	
Use Battery charged	Select	
Use Batt % charged	-	
No Battery	-	
BMS Lithium Batt 01	-	
Active Battery	-	
Charge		
Start V	50.7V / 30%	
A	LFP-10: 50A per battery LFP-15: 50A per battery eVault 16.5:100A per battery	LFP-10: 80A per battery LFP-15: 80A per battery eVault 16.5:150A per battery
Float V	54.4 V	
Absorption V	55.4 V	57.6 V
Equalization V*	56	
	90 days	
	0 hours	
Discharge		
Shutdown	50.0V / 20%	
Low Batt	50.7V / 30%	48.4V / 10%
Restart	51.5V / 40%	
Batt Resistance	5mOhms	
Batt Charge Efficiency	99%	

\* Fortress batteries do not require Equalization and the “0 hours” setting disables this function.



## How To Set Up Fortress Power Lithium Batteries Using Sol-Ark Inverter

---



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

We appreciate your business. Should you have any questions, please don't be hesitate to contact us!

Warm regards,

Fortress Power team