

Setting up a Fortress Power Lithium Battery using Phocos AnyGrid

Technical notes:

- Make sure the battery/inverter system is sized correctly. An under/oversized system will reduce efficiency and/or damage the battery.
 - Contact techsupport@fortresspower.com for help sizing your system.
- Please enter the following parameters into your inverter.

Parameter Setting for Fortress Battery with Phocos Any-grid 5kW/48V Hybrid Inverter

Operation → Device Operation Settings → Settings menus		
	80% DoD, 6000 cycles	90% DoD, 3000 cycles
Low Voltage Disconnect (Menu 29)	48V	48 V
Battery type (Menu 5)	User-defined	
Maximum total battery charging current (Menu 2)	LFP-5 & LFP-10: 50A per battery eVault: 100A per battery	LFP-5 & LFP-10: 80A per battery eVault: 150A per battery
Voltage set-point to switch from Off-Grid mode to Grid mode when “SBU priority” or “Solar / PV first” is selected in settings menu 1 (Menu 12)	49V or higher	
Voltage set-point to switch from Grid mode to Off-Grid mode when selecting “SBU priority” or “Solar / PV first” in settings menu 01 (Menu 13)	55V or lower	
Boost battery charging voltage (Menu 26)	54.4V	
Floating battery charging voltage (Menu 27)	54.4V	
Boost battery charging duration (Menu 32)	60min	
Battery equalization (Menu 33)	Disabled	
Maximum discharging current (Menu 41)	Disabled	

Once these settings have been applied, activate the circuit breakers or insert the fuses to energize the various inputs and outputs on the Any-Grid in the following order (skip any that are not connected):

1. AC input
2. PV input
3. AC output

The programming of the battery-related settings of the Any-Grid is now complete.