Once you have connected the MK3, and started Victron Connect, select your inverter. You will then click the gear icon in the upper right corner. Then you will see Settings. Click Enable settings, and then type in the password **ZZZ** 

×	Settings :	Enable settings
	Settings disabled Features provided in this menu are powerful tools intended for use by Victron- trained Engineers, Installers and Dealers. Its usage must not be attempted by system Owners and Users. Configuring our Inverter/chargers, such as Multis and experience. Victron offers no direct support for un-trained individuals carrying- out configuration.	Settings are protected by a password. This password is provided with Victron training. Please contact your Victron Distributor for further information. Password ••••

× Settings	1
General	>
Grid	>
Inverter	>
Charger	>
AC input control	>
Help & Manuals	>

## Below are the selections I have made for each menu:

← General		← Grid
System frequency	60Hz	Accept wide input frequency range (45-65Hz) When enabled all AC input frequency between 45-65 Hz is accepted as valid
AC1 input current limit	12.0A	UPS function Fast transfer when the mains/generator stops. Might need to be disabled with generators.
Current limit overruled by remote		AC low voltage disconnect AC input will be deactivated when voltage drops below 90V this level
Dynamic current limit Prevents AC voltage drop in the event of a sudden load increase. <u>More</u>		AC low voltage connect Voltage at which the AC input will be activated after a 97V disconnection by low AC voltage
Enable battery monitor		AC high voltage connect Voltage at which the AC input will be activated after a 135V disconnection by high AC voltage
Battery capacity	0Ah	AC high voltage disconnect AC input will be deactivated when voltage rises above 140V this level
State of charge when bulk finished	85.0%	
Charge efficiency	1.00	Country / grid code standard This setting is not supported in VictronConnect yet, use VEConfigure to configure it.

For step by step instructions please see the video on the Frugal Factor Youtube channel or at https://thefrugalfactor.com/13-electrical/

Proper settings are determined by your application and equipment.

For the MK3: <u>https://amzn.to/4eGfQtB</u>

For the Victron Inverter: <u>https://amzn.to/47u6UFi</u> Victron MultiPlus-II 2X, 50A <u>https://amzn.to/47pS02K</u> Link to Victron Connect: <u>https://www.victronenergy.com/panel-systems-remote-monitoring/victronconnect</u> Note: Be sure to check all settings with your batteries manufacturer or specifications sheet. SOK battery information - <u>https://www.us.sokbattery.com/?ref=FrugalFactor</u> For more information visit: <u>https://thefrugalfactor.com/13-electrical/</u>

← Inverter	
Inverter output voltage	120V
Ground relay More info	
DC input low-shutdown Inverter will switch off when the DC voltage drops below this level	11.00V
DC input low restart Voltage at which the inverter will restart after a shutdown by low DC voltage	13.00V
DC input low pre-alarm Level at which the low battery pre-alarm indication starts	12.00V
Low SOC shut-down	Disabled
AES Saves battery energy when there is no (or very low) load connected to the inverter. More	
Start AES when load lower than	25W
Stop AES when load higher than	40W
AES type	ĩ

←	Charger		
переа	เอน สมออาหาเอก แก่เอ	1.001	
Absorp	ption time	21	
Charge Charge	e curve curves description.	Fixed	
Lithiun Click he disablin	n batteries are to know the effect o ng Lithum battery mode	of enabling or	
Storag When is reduced and cor	e mode s fully charged keeps th d constant voltage to lin rosion.	ne battery at mit gassing	
Use eq Tractior chargin	Use equalization Traction batteries require regular additional charging. <u>Read more</u> .		
Weak A Should during c	AC input be checked in cases w charge arise. <u>Read mor</u>	here problems	
Stop a Safety s	fter excessive bulk setting. <u>Read more</u>		

DC input low p Level at which th indication starts	ore-alarm le low battery pre-alarm	12.00V
Low SOC shut	-down	Disable
AES Saves battery en very low) load co <u>More</u>	ergy when there is no (or onnected to the inverter.	
Start AES whe	n load lower than	25W
Stop AES whe	n load higher than	40W
AES type AES types description.	Modified sine wave	3
PowerAssist If the load excee	ds the AC-input current limit	

For more information visit: <u>https://thefrugalfactor.com/13-electrical/</u>

- AC input control			← AC input control
sconnect when load is lower than	637W		Conditional AC input connect
elay before disconnection	Disabled		default to island mode, not co to the AC Input. The condition page define when it <b>should</b> co
ttery conditions			F-9
Connect when SOC drops below	Disabled		Conditional AC input connection
appart when battery voltage drapp		L	oad condition
elow	Disabled	,	AC input connect based on load
elay before connection	Disabled	(	Connect when load is higher than
Disconnect AC input			Delay before connection
Battery voltage		1	Disconnect when load is lower than
)isconnect when voltage is higher than	16.00V		Delay before disconnection
Delay before disconnection	Disabled	В	attery conditions

For more information visit the website: <u>https://thefrugalfactor.com/</u>

Notes: This document contains affiliate links. Proper settings are determined by your application and equipment. These are the setting we have used for our van build. If you have different batteries, and equipment your settings may be different. Please view the video to better understand each setting.