LiFe and Eco Series battery settings for Victron Products

Setting listed are only the setting applicable to battery charge and discharge. All other settings are the responsibility of the Integrator.
It is the responsibility of the integrator to have a full understanding of the Victron product prior to programming and it is preferred that they have attended the manufacturers training or integration courses should they be available
SoC Control should be used to maintain your warranty obligations. Either a BMV or Lynx shunt should be used.

Note:
If a Victron MPPT Solar Charge controller is used with a MultiPlus or Quattro, there can be some con□icting of charging due to cable impedances. You may need to set the MPPT 0.3V higher than Quattro or MultiPlus charge target settings or ensure your cable impedances are the same.
As part of our continued improvement process, settings are subject to change without notice and were correct at time of publishing.

General Overview of setting for Victron

	LiFe2433P	LiFe4833P	ECO4840P
Battery Curve	Fixed		
Capacity	Total Ah capacity of PPE battery bank installed		
Absorb Voltage	28V	56V	56V
Absorb Time	6 minutes		
Float Voltage	27.6V	55.2V	55.2V
Discharge Voltage "LBCO"	24V	48V	48V
Re-Charge	26V	52V	52V
Max Charge	0.5C (C2) of total battery bank Ah		
Max Discharge Current	0.5C (C2) of total battery bank Ah	1C (C1) of total battery bank Ah	0.5C (C2) of total battery bank Ah
Peukret Expo	1.02		
Charge Efficiency	96%		
SoC When Bulk Finished	95%		
SOC Low Shut Down	20%		
SOC Low Restart	30%		
Note	Information Subject to change at anytime without notice		

Victron BMV

Quick Start	LiFe2433P	LiFe4833P	ECO4840P
Battery Capacity	Total Ah capacity of PPE battery bank installed		
Charged Voltage	27.8V	55.8V	
Tail Current	4%		
Charge Detection Time	1 minute		
Peukert Exponent	1.02		
Charge Efficiency	96%		
Current Threshold	0.1A		
Time to go Averaging Period	3 minutes		
Low SOC Alarm	10%		
Clear Low SOC Alarm	30%		
Low Voltage Alarm	24.5V	48.5V	
Clear Low Voltage Alarm	25V	49V	
High Voltage Alrm	30V	60V	
Clear High Voltage Alarm	28.8V	57.7V	
Note	Information Subject to change at anytime without notice		

Phoenix VE.Direct Inverters

Victron Connect	LiFe2433P	LiFe4833P	ECO4840P
Dynamic Cutoff	OFF		
Low Battery Shutdown	24V	48V	
Low Battery Restart & Alarm	26V	52V	
Charge Detect	26V	52	
Enable Dynamic Cutoff	ON		
	Dynamic Low Voltage Cuttoff		
Battery Type	Custom		
Battery Capacity	Total Ah capacity of PPE battery bank installed		
Voltage Discharge 0A	24V	48V	
Voltage Discharge 8A	24V	48V	
Voltage Discharge 23A	24V	48V	
Note	Information Subject to change at anytime without notice		

MultiPlus and Quattro Inverter Chargers

MultiPlus and Quattro Inverter Chargers			
VE Configure	LiFe2433P	LiFe4833P	LiFe4840P
	General Tab		
Enable Battery Monitor	YES		
SoC When Bulk Finished	95%		
Total Battery Capacity	Total Ah capacity of PPE battery bank installed		
Charge Efficiency	96%		
	Inverter Tab		
DC Input Low Shut-Down	24V	48V	
DC Input Low Restart	26V	52V	
DC Input Low Pre-Alarm	25V	49V	
Shut-down on SOC	YES		
SOC Low Shut Down	20%		
SOC Low Restart	30%		
	Charger Tab		
Battery Type	Lithium		
Lithium > Yes	Lithium Iron Phosphate		
Absorb volatge	28V	56V	
Float volatge	27.6V	55.2V	
Charge Current	0.5C (C2) of total battery bank Ah		
Repeated Absorb Time	4hr		
Repeated Absorb Interval	7 Days		
Absorb Time	4hr		
Note	Information Subject to change at anytime without notice		

MPPT Solar Charge Controllers

MPPT Solar Charge Controllers			
Victron Connect	LiFe2433P	LiFe4833P	ECO4840P
Battery Voltage	24V	48V	
Max Charge Current (C/2)	0.5C (C2) of total battery bank Ah		
Charger Enabled	ON		
Default charge settings	OFF		
Absorb Voltage	28V	56V	
Maximum Absorb Time	6hrs		
Float Voltge	27.6V	55.2V	
Equalisation Voltage	27.6V	55.2V	
Auto Equalisation	Disabled		
Temperature Compensation	OFF		