Power⊕™

LiFe and Eco Series Battery Settings
for **Plasmatronics** Regulators

PLASMATRONICS

OVERVIEW

Settings listed are only applicable to battery charge.

It is the responsibility of the integrator to have a full understanding of Plasmatronics products prior to programming, and it is preferred that they have attended the manufacturer's training or integration course should they be available.

Secondary Charge Source

If the Plasmatronics solar charge controller is used with another charger, there is a possibility a conflict will be created between charger sources, and you may need to set the secondary charger ~0.3V below the primary charger.

SoC Drift

State of Charge ("Soc") drift happens when the product that is calculating SoC builds up an accumulative error. This error is generally due to tolerance of components that measure voltage and current, and algorithms used to calculate the SoC. Most products will reset its accumulative error when the system gets to 100% SoC or Float.

It is important that a well-designed battery storage system reaches Float stage as regularly as possible, preferably every one to two days to rest SoC drift and at least every seven days to fulfill the warranty restrictions on the battery.

Always consult and read the manufactures documentation before designing, installing and programming their devices.

Important: LiFe4838P is not compatible with PWM controllers

Settings for Plasmatronics PL and Dingo Series

PL Series	LiFe2433P	LiFe4833P	Eco4840P
VOLT	24V	48V	
PROG	4		
BCAP	Total Ah Capacity of Batteries Installed		
SET/REG Menu			
BMAX	28.8V	57.6V	57.6V
EMAX	28.8V	57.6V	57.6V
ETIM	4 Hour		4 Hour
EFRQ	28 Days		
ABSV	28.8V	57.6V	57.6V
ATIM	2 Hours		
FLTV Float Voltage Cyclic (Example Solar Application)	28.8V	57.6V	57.6V
FLTV Float Voltage Standby (Example UPS Application)	27.2V to 28V	54.4V to 56V	54.4V to 56V
HYST	0.1V	0.2V	
BRTN	27.5V	53V	
CHRG	50% or C2 of Total Battery Capacity		
BFRQ	14 Days		
TCMP	8		
Notes			
Load Disconnect SoC	If DC loads are being controlled by the Plamatronics, it is highly recommended that the load is disconnected at 20% SoC (80% DoD),		
Load Disconnect Voltage	If DC loads are being controlled by the Plamatronics, it is highly recommended that the load is disconnected on Voltage >24V for LiFe243 and >48V for LiFe48 & Eco48.		
Alarm	The Plasmatronics have an alarm function.This if used should be set to alarm you before you get to >24V for LiFe24 or >48V for LiFe48 & Eco48.		

Installers should ensure an adequate system design is carried out at all times. PPE accepts no responsibility for underperforming system designs. As part of our continued improvement process, settings are subject to change without notice and are correct at time of publishing.