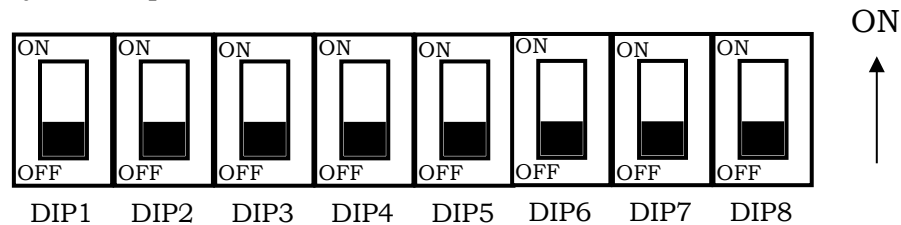


Elite 1 / Elite PRO 1 Series

DIP SWITCH CONFIGURATIONS

In the following tables you will find the details for setting the model CBHF2, CBHF2-M and CBHF2 XP battery chargers with firmware version **010-103-005** or **010-104-003** shown during the display start-up.



- DIP1 DIP2 DIP3 DIP4 for the selection of the charging curve.

DIP1	DIP2	DIP3	DIP4	CHARGING CURVE
ON	ON	ON	ON	0
OFF	ON	ON	ON	1
ON	OFF	ON	ON	2
OFF	OFF	ON	ON	3
ON	ON	OFF	ON	4
OFF	ON	OFF	ON	5
ON	OFF	OFF	ON	6
OFF	OFF	OFF	ON	7
ON	ON	ON	OFF	8
OFF	ON	ON	OFF	9
ON	OFF	ON	OFF	10
OFF	OFF	ON	OFF	11
ON	ON	OFF	OFF	12
OFF	ON	OFF	OFF	13
ON	OFF	OFF	OFF	14
OFF	OFF	OFF	OFF	15

- DIP5 DIP6 for the selection of the bulk current.

DIP5	DIP6	ELITE PRO 1	ELITE PRO 1 XP
ON	ON	15A	25A
OFF	ON	20A	30A
ON	OFF	25A	35A
OFF	OFF	30A	40A

- DIP7 and DIP8 for the selection of the battery voltage.

DIP7	DIP8	ELITE PRO 1		ELITE PRO 1 XP	
		lead-acid	LiFePO4	lead-acid	LiFePO4
ON	ON	12V	12.8V	12V	12.8V
OFF	ON	24V	25.6V	24V	25.6V
ON	OFF	36V	38.4V	<i>null</i>	<i>null</i>
OFF	OFF	48V	51.2V	<i>null</i>	<i>null</i>

PRE-PROGRAMMED CURVES

POSITION	CURVE TYPE	DP1-DP2-DP3-DP4
00	null	ON-ON-ON-ON
01	IUIa - for flooded/wet lead-acid batteries	OFF-ON-ON-ON
02	null	ON-OFF-ON-ON
03	IUUo - for sealed lead-acid batteries	OFF-OFF-ON-ON
04	IUIo - for flooded/wet lead-acid batteries	ON-ON-OFF-ON
05	IUUo - for AGM lead-acid batteries	OFF-ON-OFF-ON
06	IUUo - for GEL lead-acid batteries	ON-OFF-OFF-ON
07	null	OFF-OFF-OFF-ON
08	IUIa - for LiFePO4 batteries 4/8/12/16 cells @ 3.2V nominal	ON-ON-ON-OFF
09	IUo for SLI lead-acid batteries	OFF-ON-ON-OFF
10	null	ON-OFF-ON-OFF
11	IUIa - for GEL traction lead-acid batteries	OFF-OFF-ON-OFF
12	null	ON-ON-OFF-OFF
13	IUIa dV/dT - for AGM lead-acid batteries	OFF-ON-OFF-OFF
14	IUIUo - for AGM lead-acid batteries	ON-OFF-OFF-OFF
15	IUIo dV/dT - for flooded/wet lead-acid batteries	OFF-OFF-OFF-OFF



IMPORTANT:

This document should not be used to change charger settings unless you have experience and knowledge of battery types and battery charging or unless you have been trained by and/or supervised by a suitably knowledgeable and experienced person.

It is recommended to consult with Brierly Technologies before making any changes to charging curves.

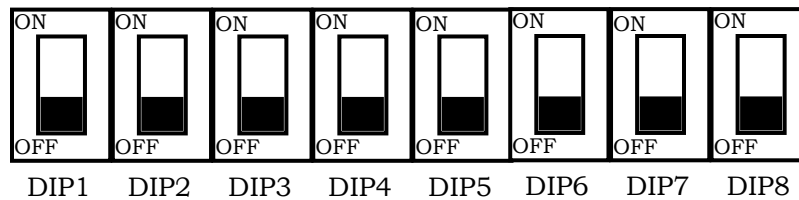
Firmware:
010-103-005
010-104-003

Jan 01, 2023

Elite 1 / Elite PRO 1 Series

DIP SWITCH CONFIGURATIONS

In the following tables you will find the details for setting the models CBHF2 XP M 36-30 and CBHF2-XP M 48-22 battery chargers with firmware version **010-168-001** shown during the display start-up.



- DIP1 DIP2 DIP3 DIP4 for the selection of the charging curve.

DIP1	DIP2	DIP3	DIP4	CHARGING CURVE POSITION
ON	ON	ON	ON	00
OFF	ON	ON	ON	01
ON	OFF	ON	ON	02
OFF	OFF	ON	ON	03
ON	ON	OFF	ON	04
OFF	ON	OFF	ON	05
ON	OFF	OFF	ON	06
OFF	OFF	OFF	ON	07
ON	ON	ON	OFF	08
OFF	ON	ON	OFF	09
ON	OFF	ON	OFF	10
OFF	OFF	ON	OFF	11
ON	ON	OFF	OFF	12
OFF	ON	OFF	OFF	13
ON	OFF	OFF	OFF	14
OFF	OFF	OFF	OFF	15

- DIP5 DIP6 for the selection of the bulk current.

DIP5	DIP6	ELITE PRO 1 XP 36V	ELITE PRO 1 XP 48V
ON	ON	25A	-
OFF	ON	30A	-
ON	OFF	-	-
OFF	OFF	-	22A

- DIP7 and DIP8 for the selection of the battery voltage.

DIP7	DIP8	ELITE PRO 1 XP
ON	ON	-
OFF	ON	-
ON	OFF	36V
OFF	OFF	48V

PRE-PROGRAMMED CURVES

POSITION	CURVE TYPE	DP1-DP2-DP3-DP4
00	IUUo+EQ – for FAST charging nanoGEL batteries	ON-ON-ON-ON
01	IUIa - for flooded/wet lead-acid batteries	OFF-ON-ON-ON
02	null	ON-OFF-ON-ON
03	IUUo – for sealed lead-acid batteries	OFF-OFF-ON-ON
04	IUIo - for flooded/wet lead-acid batteries	ON-ON-OFF-ON
05	IUUo - for AGM lead-acid batteries	OFF-ON-OFF-ON
06	IUUo - for GEL lead-acid batteries	ON-OFF-OFF-ON
07	IUIa – for LiFePO4 batteries 12 or 16 cells @ 3.2V nominal	OFF-OFF-OFF-ON
08	IUIa - for LiFePO4 batteries 12 or 16 cells @ 3.2V nominal	ON-ON-ON-OFF
09	IUo for SLI lead-acid batteries	OFF-ON-ON-OFF
10	IUUo+EQ – for nanoGEL batteries	ON-OFF-ON-OFF
11	IUIa - for GEL traction lead-acid batteries	OFF-OFF-ON-OFF
12	null	ON-ON-OFF-OFF
13	IUIa dV/dT - for AGM lead-acid batteries	OFF-ON-OFF-OFF
14	IUIUo - for AGM lead-acid batteries	ON-OFF-OFF-OFF
15	IUIo dV/dT - for flooded/wet lead-acid batteries	OFF-OFF-OFF-OFF



IMPORTANT:

This document should not be used to change charger settings unless you have experience and knowledge of battery types and battery charging or unless you have been trained by and/or supervised by a suitably knowledgeable and experienced person.

It is recommended to consult with Brierly Technologies before making any changes to charging curves.

FW: 010-168-001

PN: 845-017-025

Dec 22 2025