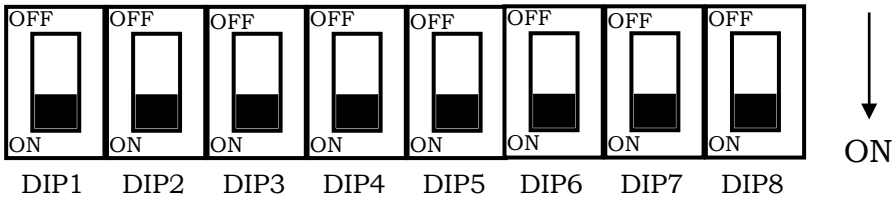
ESPRIT SERIES

DIP SWITCH CONFIGURATIONS

In the following tables you will find the details for setting the model CBSW1-S 24/12 battery charger with firmware version **010-093-00x** shown during the display start-up.



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

DIP1	DIP2	DIP3	DIP4	CURVE POSITION
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 DIP7 for the selection of the maximum charging current.

DIP5	DIP6	DIP7	OUTPUT CURRENT
ON	ON	ON	4A
OFF	ON	ON	8A
ON	OFF	ON	10A
OFF	OFF	ON	12A

- DIP8 for the selection of the nominal battery voltage.

DIP8	V (LEAD-ACID)	V (LIFEPO4)
ON	12	12.8
OFF	24	25.6

PRE-PROGRAMMED CURVES

POSITION	CURVE TYPE	DP1-DP2-DP3-DP4
00	null	ON-ON-ON-ON
01	**IUIa lead-acid** for charging flooded lead-acid (FLA) traction batteries.	OFF-ON-ON-ON
02	null	ON-OFF-ON-ON
03	**IUUo lead-acid** for charging GEL/AGM batteries.	OFF-OFF-ON-ON
04	**IUIUo lead-acid** for charging flooded lead-acid (FLA) traction batteries.	ON-ON-OFF-ON
05	**IUUo lead acid** for charging AGM batteries.	OFF-ON-OFF-ON
06	**IUUo lead-acid** for charging GEL batteries.	ON-OFF-OFF-ON
07	null	OFF-OFF-OFF-ON
08	**IUa LiFePO4** for charging LiFePO4 batteries - 4 or 8 cells @ 3.2V nominal	ON-ON-ON-OFF
09	**IUo lead-acid starting batteries** for charging SLI lead-acid batteries.	OFF-ON-ON-OFF
10	null	ON-OFF-ON-OFF
11	**IUIa lead acid** for charging GEL traction batteries.	OFF-OFF-ON-OFF
12	null	ON-ON-OFF-OFF
13	**IUIa lead-acid** for charging AGM batteries	OFF-ON-OFF-OFF
14	**IUIUo lead-acid** for charging AGM batteries	ON-OFF-OFF-OFF
15	null	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 010-093-001 / 010-093-002

December 31, 2020

Phone: 905.636.9865 , Fax: 905.636.9879 www.bti-chargers.com info@bti-chargers.com