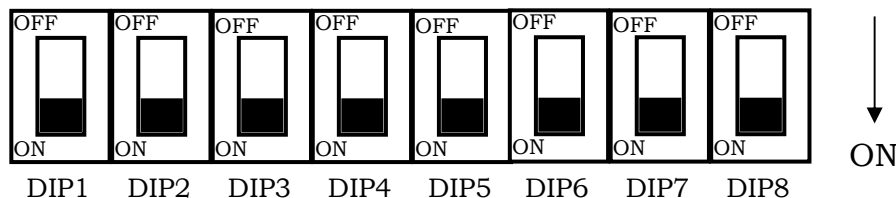


## ESPRIT SERIES

### 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 **010-093-004** 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       | <b>IUIa lead-acid</b><br>for charging flooded lead-acid (FLA) traction batteries.   | OFF-ON-ON-ON    |
| 02       | null                                                                                | ON-OFF-ON-ON    |
| 03       | <b>IUUo lead-acid</b><br>for charging GEL/AGM batteries.                            | OFF-OFF-ON-ON   |
| 04       | <b>IUIUo lead-acid</b><br>for charging flooded lead-acid (FLA) traction batteries.  | ON-ON-OFF-ON    |
| 05       | <b>IUUo lead acid</b><br>for charging AGM batteries.                                | OFF-ON-OFF-ON   |
| 06       | <b>IUUo lead-acid</b><br>for charging GEL batteries.                                | ON-OFF-OFF-ON   |
| 07       | null                                                                                | OFF-OFF-OFF-ON  |
| 08       | <b>IIUa LiFePO4</b><br>for charging LiFePO4 batteries - 4 or 8 cells @ 3.2V nominal | ON-ON-ON-OFF    |
| 09       | <b>IUo lead-acid starting batteries</b><br>for charging SLI lead-acid batteries.    | OFF-ON-ON-OFF   |
| 10       | null                                                                                | ON-OFF-ON-OFF   |
| 11       | <b>IUIa lead acid</b><br>for charging GEL traction batteries.                       | OFF-OFF-ON-OFF  |
| 12       | null                                                                                | ON-ON-OFF-OFF   |
| 13       | <b>IUIa lead-acid</b><br>for charging AGM batteries                                 | OFF-ON-OFF-OFF  |
| 14       | <b>IUIUo lead-acid</b><br>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.