

# 4099 Configuration Toolkit for Mascot LiFePO4 Battery Chargers



All Mascot LiFePO4 battery chargers marked with this CBC symbol may be configured through the output cable using a toolkit consisting of a CBC module, a USB cable and Mascot configuration software for PC.



The CBC Toolkit is ideal for optimizing battery performance for a wide range of applications. There are 21 different parameter settings and 8 additional enable/disable functions available.

## Key configuration / charge detection variables:

- Charge voltages
- Diode compensation level. Increase in voltage to compensate for diode in series
- Cut-off current level to go to Float charge
- NTC parameters (nominal value and  $\beta$ -value)
- Temperature limits (Hot, cold, charge pause ++)
- Recharge voltage level
- Timers: Soft start timer, CV charge timer and Safety timer

SoftstartTime	1 800	s
ChargeTime	60	min
SafetyTime	4 320	min
BatteryVoltageMaintenanceDelta	0,60	V
DACBoost	14,598	V
DACMaint	14,006	V

## Functions (enable/disable):

- Enable/Disable NTC if present
- Enable/Disable float charge
- Float charge only. Full charge cycle using float voltage level only.
- NTC mandatory. This will stop the charge cycle if NTC is missing or not working properly
- Power supply mode. Charge logic disabled.
- Read and/or write protected configuration

- ☐ Read protect
- ☐ Write protect
- ☐ NTC required
- ☐ No NTC
- ☒ Suspend when cold
- ☐ Float charge only    ☐ Power supply mode
- ☒ Float charge enable

## The CBC system is easy to set-up and connect

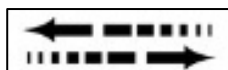
1. Select Mascot standard to configure
2. Connect the charger and set-up the communication
3. Make the custom configurations
4. Send the new parameter(s) to the charger

## Included in the toolbox:

- Mascot CBC module (hardware interface)
- 3546 8C LiFePO4 Battery Charger
- 3743 4C LiFePO4 Battery Charger
- USB Cable for connecting to a PC
- Mascot Configuration Software
- Printed user guide and videos with user instructions

## Notes

1. It's possible to read the current configuration from the charger



2. Ordering information:

For the CBC toolkit, use part no. 4099000042

For additional modules, use part no. 4099000000

**Configuration Tool Kit for Mascot CBC chargers**

Contents:

- Mascot BlueLine 3546 8C LFP Charger
- Mascot BlueLine 3743 4C LFP Charger
- Mascot Interface Module for BlueLine. Part no.: 4099000000
- Mascot Interface Software
- USB cable