

# Battery to Battery Charger (B2B)

In-vehicle DC-DC charger, 12V→12V, 30A/60A

# OLYS

## Datasheet

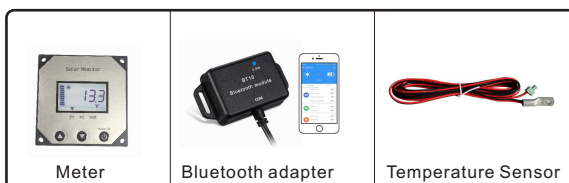
## Function



Charge converter, "B2B" operation, mobile operation from alternator and starter battery (Battery to Battery):

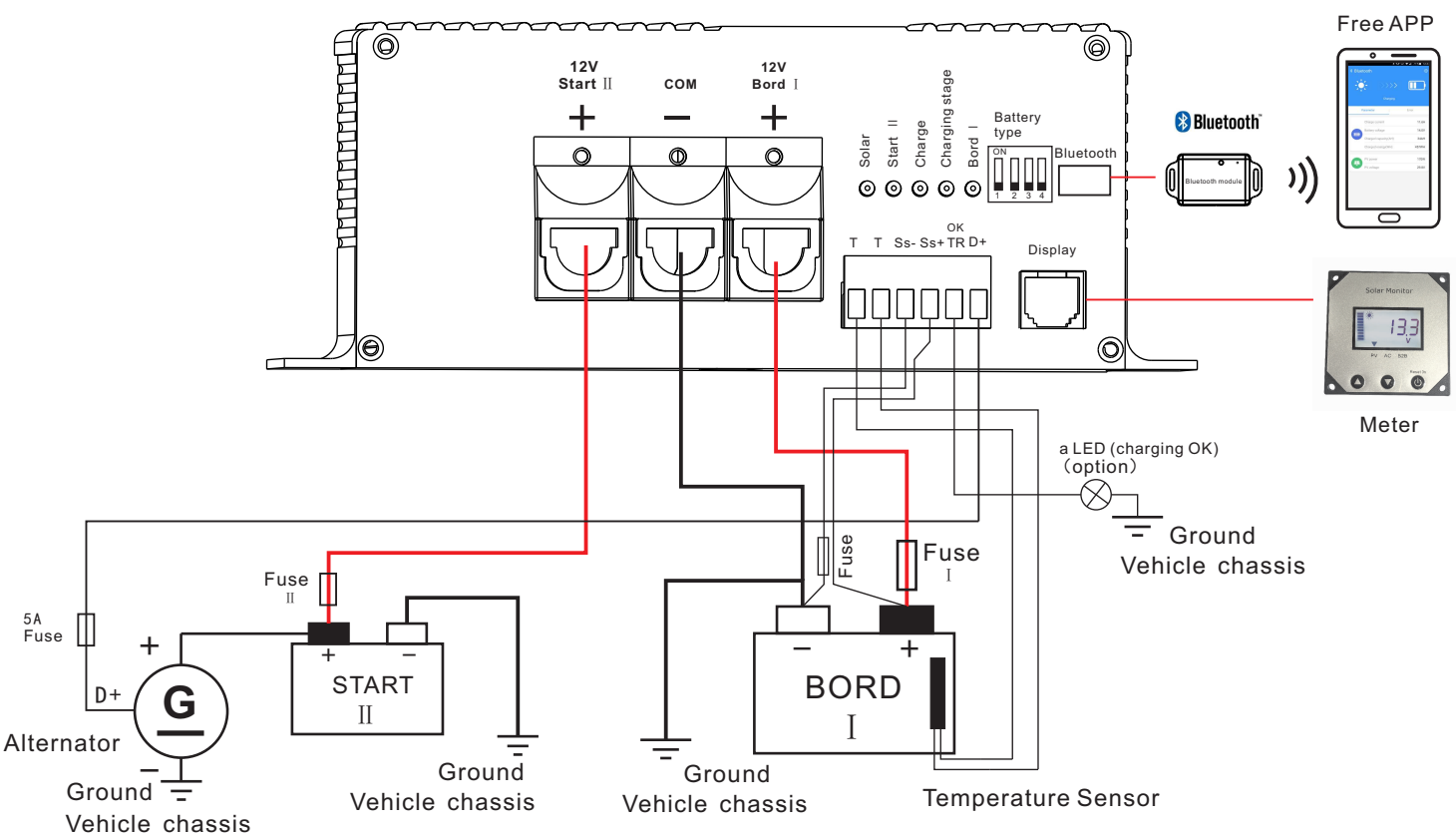
- The powerful charge converter (booster) enables the on-board battery to be fully charged while driving.
- It increases / decreases the voltage to the necessary level in order to provide the on-board battery with the optimum for you To be able to charge the charging characteristic precisely.
- It compensates for line losses and significant voltage fluctuations of the alternator, such as at Vehicles constantly occur, completely out.
- The 12 V consumers supplied are protected against overvoltage and voltage fluctuations.

### Optional Accessories



B2B1260: 12V,60A

B2B1230: 12V,30A



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### Technical Data:

|                                                                         | B2B1260      | B2B1230      |
|-------------------------------------------------------------------------|--------------|--------------|
| <b>Main battery "Bord I"</b>                                            |              |              |
| Lead-Acid, Gel, AGM Batteries Nominal Voltage                           | 12V          | 12V          |
| LiFePO4 Nominal Voltage                                                 | 12.8V        | 12.8V        |
| lithium-ion (NCM) Nominal Voltage                                       | 11.1V        | 11.1V        |
| Capacity (Battery Size), recommended:                                   | 90-560AH     | 45-280AH     |
| <b>Vehicle Starter Battery "Start II":</b>                              |              |              |
| Vehicle Starter Battery Nominal Voltage:                                | 12V          | 12V          |
| Min. Battery Capacity (Size), recommended:                              | 100AH        | 60AH         |
| <b>12 V / 12 V B2B Charging operation</b>                               |              |              |
| Input Voltage Range "Start II", "D+" controlled:                        | 10.5-16V     | 10.5-16V     |
| Input Overvoltage Disconnection "Start II", max.:                       | 16.5V        | 16.5V        |
| "Bord I" Max. charge current                                            | 60A          | 30A          |
| Activation Control Input "D+"                                           | 8-16V        | 8-16V        |
| Signal Output "OK/TR", Switch Position "TR",<br>Cutoff Relay Bypass/max | 12V/1A       | 12V/1A       |
| <b>Optional Accessories</b>                                             |              |              |
| "Bord I" charging current for "start II"                                | 0-5A         | 0-5A         |
| Signal Output "OK/TR", Switch Position "OK"                             | 12V/1A       | 12V/1A       |
| Input "T T" for Battery Temperature Sensor "Board I":                   | YES          | YES          |
| "Ss-" "Ss+" Inputs Sensor Cables "-" and "+" for Battery "Board I":     | YES          | YES          |
| stand-by current                                                        | 24mA         | 24mA         |
| Main battery overvoltage protection                                     | 15.5V        | 15.5V        |
| weight                                                                  | 1.6kg        | 1.44kg       |
| demension                                                               | 190×215×70mm | 190×194×70mm |
| Operating temperature                                                   | -20-50℃      | -20-50℃      |

LCD Meter (3m cable)  
Bluetooth adapter, Free APP