DC & SOLAR Battery Charger

Dual input in-vehicle battery charger

OLYS

Datasheet



Optional Accessories



Function

This is a all-automatic charger with 2 charging sources, you can use the battery (12V) to charge the battery (12V) (B2B), or you can use the solar panel to charge the battery, which can automaticall Intelligent switching charging method, specially designed for RVs, exposed cars, campers, ships, etc.

BS126045: B2B: 12V-12V/60A, MPPT solar Input: Max.50V, 600W
BS126030: B2B: 12V-12V/60A, MPPT solar Input: Max.50V, 430W
BS123020: B2B: 12V-12V/30A, MPPT solar Input: Max.50V, 250W

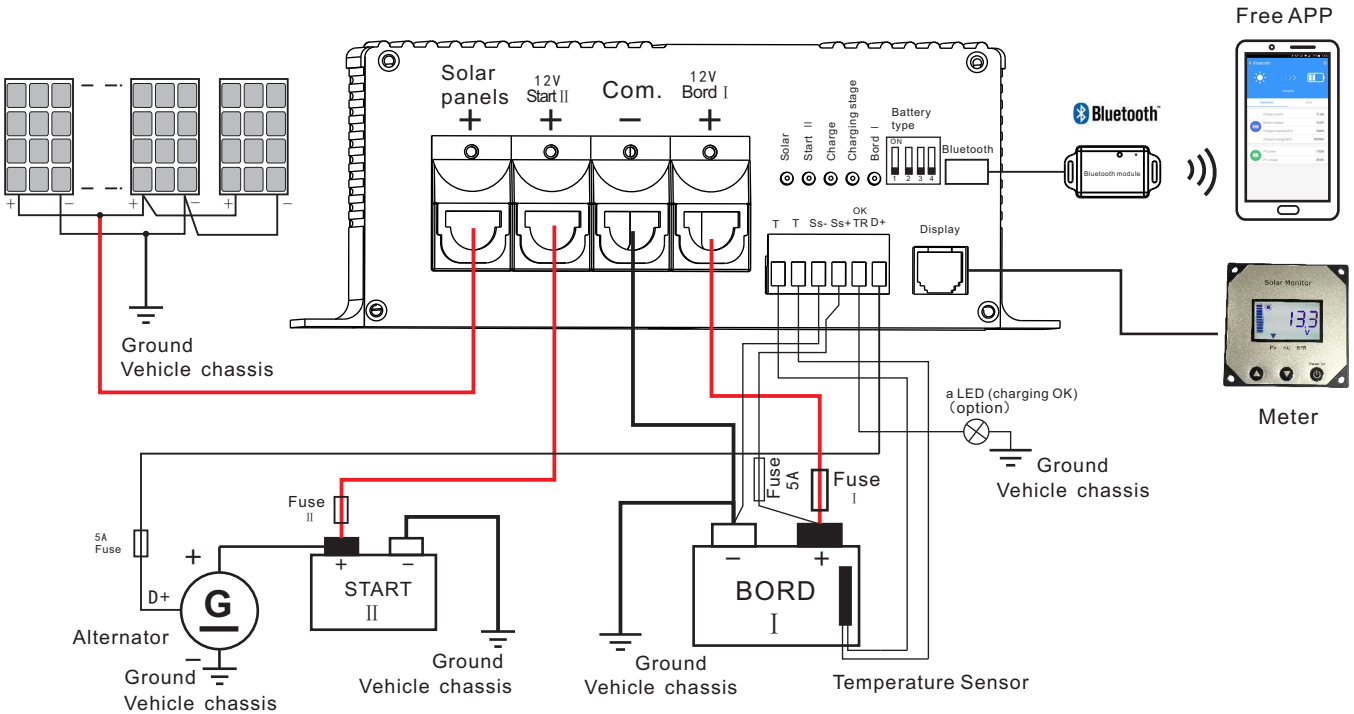
B2B Operation ： mobile operation from dynamo and starter battery (Battery to Battery):

it refers to charging the main battery through dynamo and starter battery, .If it is not used in the Vehicle , you can also use one battery (12V) to charge another

1. The efficient charging converter (booster) allows full charging of the board battery during driving.
2. It increases/reduces the voltage to the level, which is required for precise charging of the board battery with the optimum characteristic line of charging.
3. The simultaneously supplied 12 V consumers are protected against overvoltage and voltage fluctuations.

Solar Operation

1. The controller can improve the charging efficiency of the solar panel by 10-30% through MPP technology (automatically calculating the maximum power yield), effectively shortening the charging time
2. The controller can charge the main battery according to the specified current by boosting or stepping down to ensure that the main battery is charged according to the standard charging curve
3. Auxiliary charging for support charging and trickle charging of the vehicle's starter battery in case of extended standstill periods.



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Technical Data:

	BS126045	BS126030	BS123020
Main battery ″Bord Ⅰ″			
Lead-Acid, Gel, AGM Batteries Nominal Voltage	12V	12V	12V
LiFePO4 Nominal Voltage	12.8V	12.8V	12.8V
lithium-ion（NCM） Nominal Voltage	11.1V	11.1V	11.1V
Capacity (Battery Size), recommended:	150-700AH	90-560AH	45-280AH
Vehicle Starter Battery “Start II”:			
Vehicle Starter Battery Nominal Voltage:	12V	12V	12V
Min. Battery Capacity (Size), recommended:	100AH	100AH	60AH
12 V / 12 V B2B Charging operation			
Input Voltage Range "Start II" ,“D+” controlled:	10.5-16V	10.5-16V	10.5-16V
Input Overvoltage Disconnection "Start II" , max.:	16.5V	16.5V	16.5V
″Bord Ⅰ″ Max. charge current	60A	60A	30A
Activation Control Input "D+"	8-16V	8-16V	8-16V
Signal Output "OK/TR", Switch Position "TR", Cutoff Relay Bypass/max	12V/1A	12V/1A	12V/1A
MPPT solar charge controller			
Max.PV power(Pmax.)	600W	430W	250W
Max.PV current	34A	26A	15A
max. Open Circuit Voltage (Voc):	50V	50V	50V
″Bord Ⅰ″Max. charge current	45A	30A	20A
″Bord Ⅰ″ charging current for “start Ⅱ″	0-5A	0-5A	0-5A
Signal Output "OK/TR", Switch Position "OK"	12V/1A	12V/1A	12V/1A
Input "T T" for Battery Temperature Sensor "Board I":	YES	YES	YES
″Ss-" "Ss+" Inputs Sensor Cables for Battery "Board I":	YES	YES	YES
stand-by current	24mA	24mA	24mA
Main battery overvoltage protection	15.5V	15.5V	15.5V
weight	1.6kg	1.6kg	1.44kg
demension	190×215×70mm	190×215×70mm	190×194×70mm
Operating temperature	-20-50℃	-20-50℃	-20-50℃

Optional Accessories

LCD Meter (3m cable)

Bluetooth adapter, Free APP