

This installation diagram shows how to connect an LPS II to a VW ID.Buzz using both solar panels and an LPS remote, as well as how to configure the LPS II.

NB: The installer MUST be familiar with the installation of Clayton Power products in addition to working on the VW vehicles before starting installation.

Instructions

1. Use a 10 mm² cable to connect LPS II DC IN to the ID.Buzz's 12V System. Use an 8 mm ring terminal to connect to the LPS II DC IN terminals. See the necessary torque in the LPS II manual. Place a automotive fuse in line with the LPS II and battery. The fuse must have a maximum rating of 40A. See page 2 for details instructions.
2. To connect solar panels to C2, use a 2,5 mm² cable. Use a 4 mm ring terminal to connect to the LPS II solar terminal (C2) and an 8 mm ring terminal to connect to the LPS II DC IN -.
3. In order to connect Wakeup (C1) to the ID.Buzz's 12V system via F65, use a 1,5 mm² wire and 4 mm ring terminals. Place a automotive fuse in line with the LPS II and the battery with a maximum rating of 10A. See page 2 for details instructions.
4. Connect the LPS remote to the M12 connector on the back of the LPS labeled with "Remote"
5. Reduce the DC charging current by configuring the LPS II to charge at 30A.

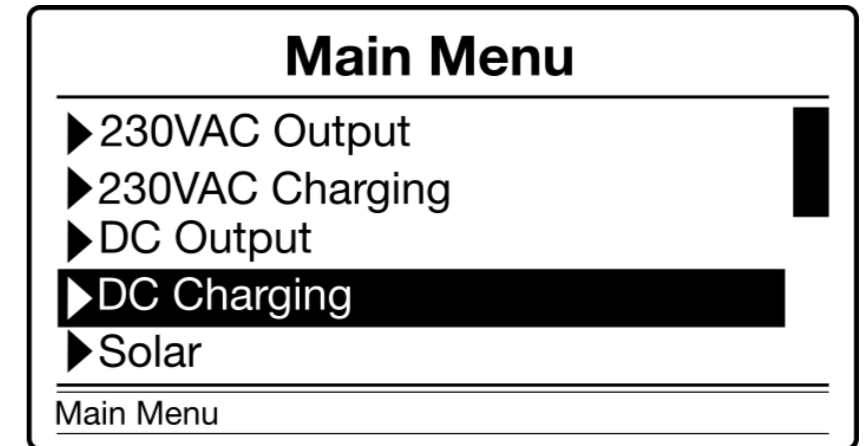
Please Note

1. It's important to set DC Charging to a maximum of 30 A when installing a LPS II in a VW ID.Buzz.
2. The 10 mm² cable between the LPS II DC IN and the connection point to the 12-volt system in the ID.Buzz must not be more than 5 meters long.
3. The solar input voltage must not exceed 50 volts DC.
4. Always use the designated connection points in the vehicle for chassis and DC connections.

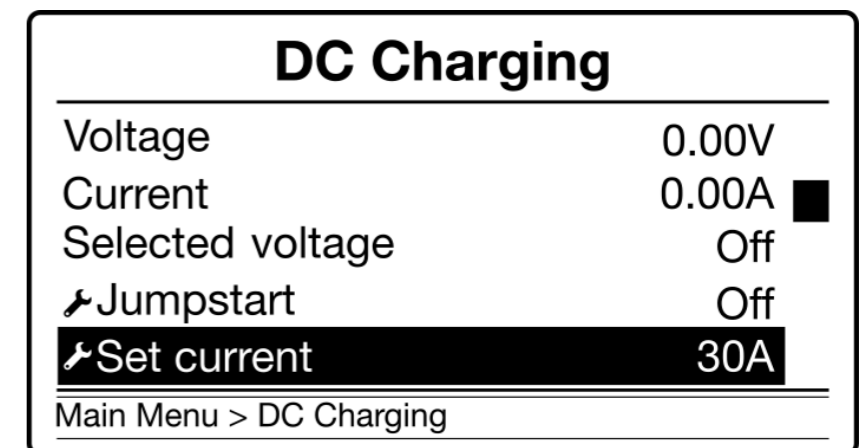
All installations must be carried out by trained and qualified installers.
This document is intended as a general guide and not as a comprehensive, step-by-step manual.
Local rules and regulations must always be followed, and take precedence over any instructions provided in this guide.

Reduce DC Charging Current

Press **OK** to enter Main Menu → 3 x **↓** for DC Charging

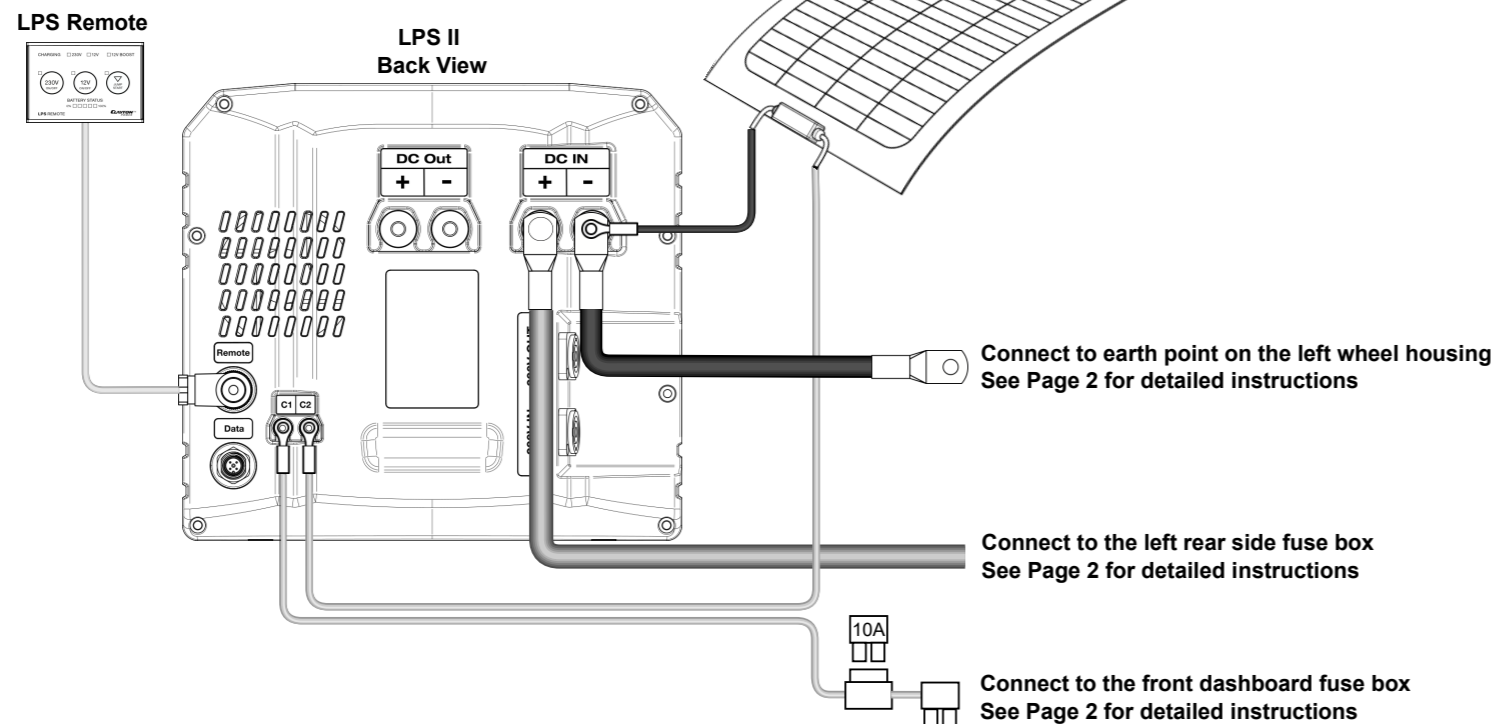


Press **OK** to enter DC Charging → 6 x **↓** for Set current



Press **OK** to set current to 30A → **OK** to confirm

Press 2 x **↶** to exit back to main screen



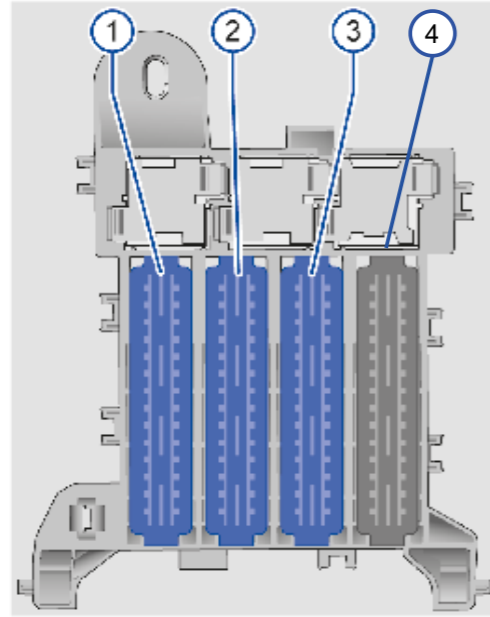
Dept. R&D	Technical reference	Created by CBL/JKW	Approved by MBN
CLAYTON POWER		Document type Support/Installation diagram	Document status Released
		Title Installation diagram for LPS II Vehicle: VW ID.Buzz Cargo	DWG No.
Rev. 04.00	Date of issue 03-10-2024	Sheet 1/2	

This installation diagram shows how to connect an LPS II to a VW ID.Buzz 12 Voltage System.

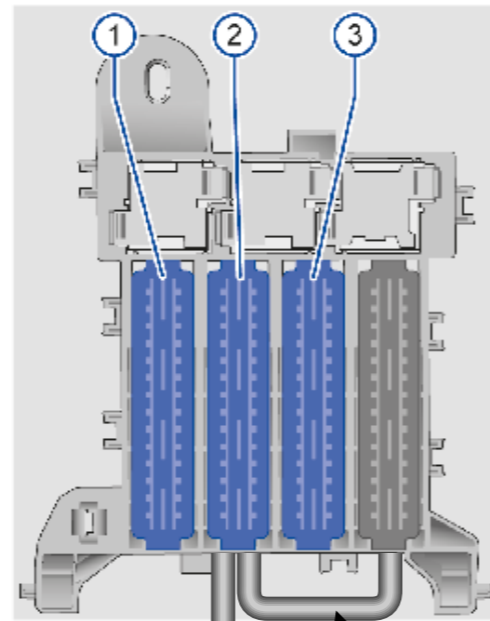
NB: The installer **MUST** be familiar with the installation of Clayton Power products in addition to working on the VW vehicles before starting installation.

1. Prepare the installation

1. Install an extra fuse holder (VW PN: 4F1941824) on the rear left side panel fuse carrier on location 4.

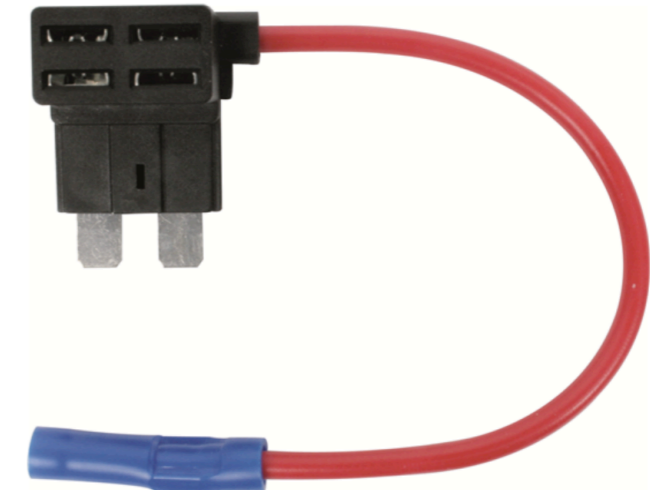


2. Connect the cable from the extra fuse holder to the DC connection on the fuse holder 2.



Source: parts.vw.com

Extra fuse holder (VW PN: 4F1941824)



Source: Foerch.com

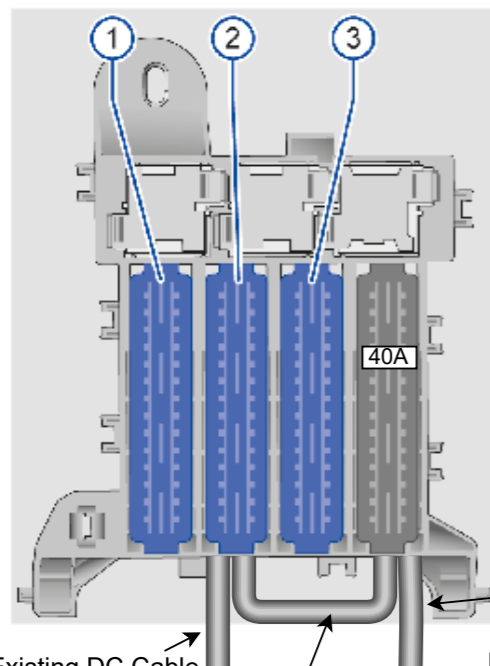
Power Distributor

3. Connect wakeup signal to the LPS II

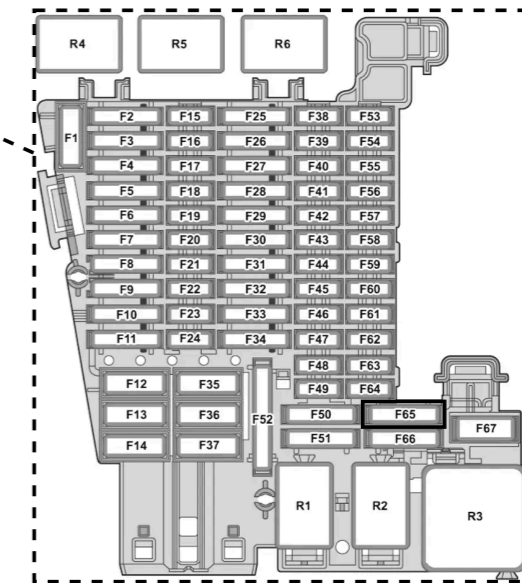
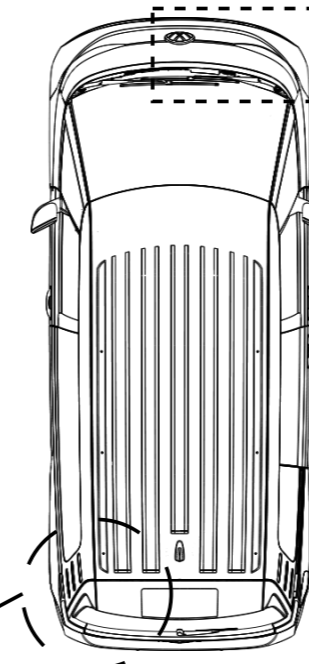
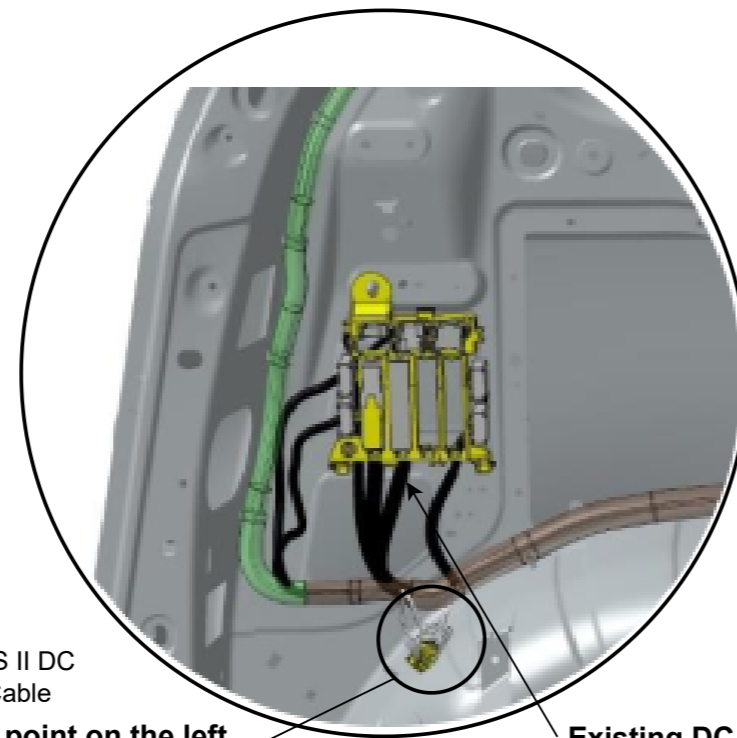
1. Connect C1 from the LPS back cover to F65 using a power distributor with a 10A Fuse inline

2. Connecting LPS II to ID.Buzz 12 Voltage System

1. Connect the DC+ cable from LPS II DC In + to the back of the previously installed fuse holder on the 6th position from the top and place a 40 A fuse in the front of the fuse holder for cable protection.



2. Connect the DC- cable from LPS II DC In - to the earth point on the left wheel housing.



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