

DUAL 80 battery split charger



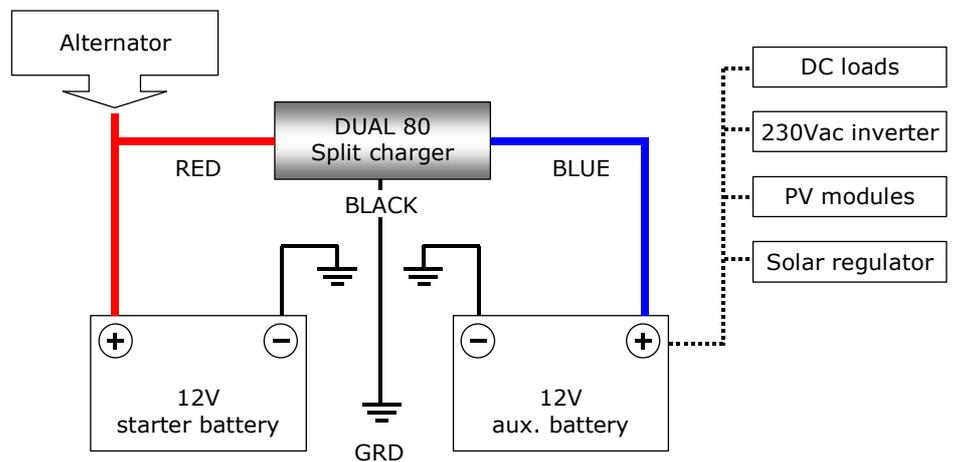
- Safely charges a secondary battery from engine start battery
- Diverts excess energy to auxiliary battery only when starter battery is fully charged
- Ideal for caravans, motor homes or boats
- Automatic sensing makes sure that the secondary battery is only charged when the alternator / external power supply is present and the primary battery is at fully charged state.

Why you need a split (or twin) battery charger?

In many applications there are several auxiliary 12Vdc loads (lights, water pumps, TV, fridge, navigation equipment, etc.) used onboard in vehicles such as caravans, motor homes, boats, etc. A twin battery charger is needed for such vehicle in order to avoid auxiliary loads draining the engine start battery. If the voltage of the starter battery drops below a certain level due to the excessive use, there won't be enough energy left in the battery to crank the engine. To avoid this, a secondary (auxiliary or twin) battery must be installed on board. As you must always give priority to the starter battery, the primary (for engine start) and secondary (for auxiliary loads) batteries can not be simply connected together since this could still result in a discharged starter battery. So you will need a dual battery charger which starts charging the auxiliary battery only when the main engine start battery is fully charged and there is enough excess energy from the alternator or external power supply.

Description

While the vehicle is on the way the alternator charges the engine start battery. When it is fully charged and the alternator puts the battery voltage above 13.6V, the DUAL 80 split charger connects the auxiliary battery also to the alternator. Now both batteries are being charged and remain parallel-connected until their voltage stays above 12.8V. When their voltage drops below 12.8V the DUAL 80 split charger disconnects the auxiliary battery from the alternator.



Battery

The DUAL 80 twin battery charger is suitable for automotive 12V lead-acid batteries up to the limit of 500 Ah.

Specifications

Battery voltage:	12Vdc
Nominal charging current:	80A
Max. battery voltage:	16V
Power consumption – aux. battery connected:	3.6W
Power consumption – aux. battery disconnected:	1.2W
Auxiliary battery connection voltage point:	13.6V
Auxiliary battery disconnection voltage point:	12.8V
LED display:	Aux. battery connected / disconnected
Dimension (W×H×L):	105×49×62 mm
Weight:	300 g

Subject to alteration without notice