



**CTEK D250S DUAL**

**20 A**



# CHARGE WHILE YOU DRIVE

## D250S DUAL

BATTERY TO BATTERY CHARGER IN A DUAL BATTERY APPLICATION

The D250S DUAL charger obtains its energy from DC sources such as alternators, solar panels or wind power and optimises this power to meet the charging requirements of different battery banks. The D250S DUAL automatically selects the best connected DC energy source (of 2) for the purpose and switches between these energy sources to achieve high efficiency multi-stage charging. Charging automatically starts as soon as DC energy is provided to the charger, for example, from alternators when a vehicle is started or from solar panels when connected. The D250S DUAL ensures that your batteries are always in good condition, quick charging and have long battery lifetimes.

The D250S DUAL is a fully automatic 5-stage charger that supplies 20 A to 12 V batteries of 40-300 Ah. The charger is IP65 classified (water jet and dust protected and approved for outdoor use) and protects vehicle electronics. It is suitable for all types of lead-acid batteries (Wet, MF, Gel, AGM). It is supplied with a 2 year guarantee.



Fully automatic for optimal charging



For all lead-acid batteries

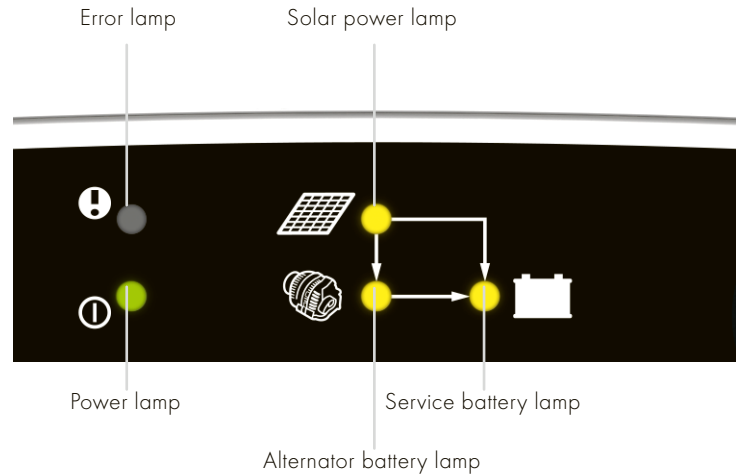
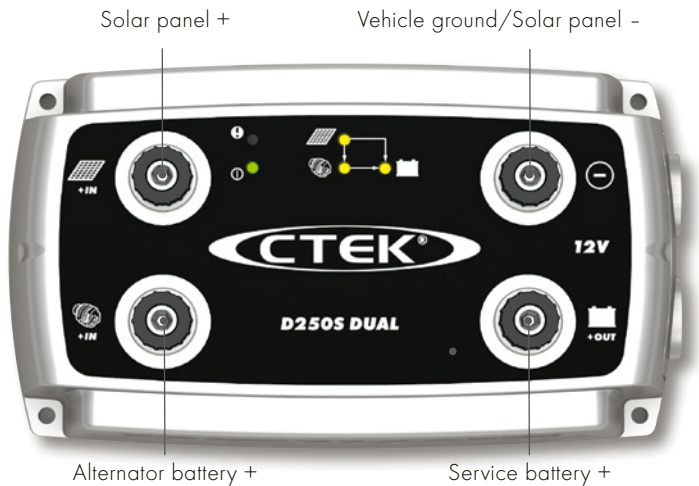


### TECHNICAL DATA

CHARGING VOLTAGE	14.4 V
CHARGING CURRENT	20 A
TYPE OF CHARGER	5 step, fully automatic charging cycle
TYPE OF BATTERY	12 V lead-acid batteries
BATTERY CAPACITY	40-300 Ah
INSULATION	IP65 (splash and dust proof)



**THE SMARTEST BATTERY CHARGERS IN THE WORLD**



**FEATURES**

- Multi-step charging from alternators and solar panels
- Battery separator that eliminates diodes and VSR relays
- Maintenance charge of alternator battery
- Solar panel regulator with Maximum Power Point Tracking, synchronised with other current sources as alternator
- Simplified installation and improve the performance of the charging of remote batteries for bow thrust or anchor winch by not need any heavy cables

**BENEFITS**

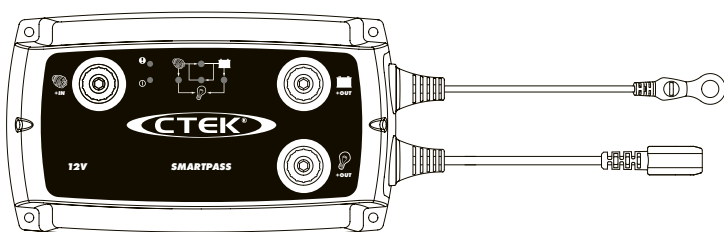
- Maximised battery life due to minimised undercharge time
- Maximised battery capacity when the battery is kept fully charged avoiding harmful sulphate crystals on the lead plates and stratification of the battery acid.
- Ability to take charge automatically from any power source that is connected to the D250S DUAL
- Reduced charging times and costs by decreasing engine idling and the dependency on AC power onshore through efficient use of alternator and solar power
- Reduced environmental impact through extended battery life and a reduced idle time
- Minimal installation time and cost easy to replace an isolating relay or diode separator

**SUITABLE FOR**

- Boats
- Service vehicles
- Campervans and RVs
- Caravans
- 4WDs

**COMPATIBLE WITH**

CTEK SMARTPASS



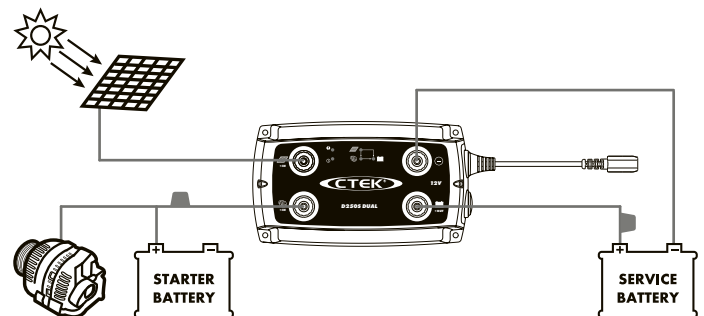
**FASTER CHARGING**

A sensor on the CTEK charger senses the battery temperature and adjusts the required charge by increasing the voltage in cold weather ensuring the battery is fully charged, and dropping the voltage in hot weather to avoid the problems of overcharging.

With the D250S DUAL, vehicle owners can be confident that their battery will always receive the optimal charging voltage, with reduced charge time and while ensuring the charging will be 100 % complete.

**SOLAR CONNECTION**

D250S DUAL has a built-in Maximum Power Point Tracker (MPPT) that helps the solar cells produce power as efficiently as possible by taking the most efficient source of energy from the solar panels automatically, and then using the power to charge the battery.



**GUARANTEED QUALITY WITH CTEK**

CTEK customer support is available to answer any questions related to charging and CTEK chargers. Safety, simplicity and flexibility characterize all products and solutions developed and sold by CTEK. CTEK supply chargers to more than 60 countries throughout the world. CTEK is also a reliable OEM supplier to many of the world's most prestigious car and motorcycle manufacturers.

**Contact customer support: [info@ctek.com](mailto:info@ctek.com)**

