



**CTEK D250S DUAL**

**20A**



# NEW PRODUCT

## D250S DUAL

QUALITY AND SIMPLE CONNECT & FORGET CHARGING

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. The D250S DUAL is particularly suitable for charging vehicles that do not have access to grid power supplies. 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 20A to 12V batteries of 40-300Ah. 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

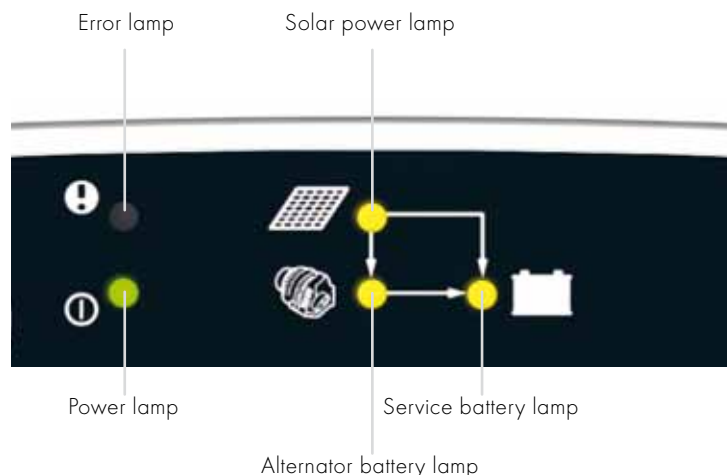


### TECHNICAL DATA

CHARGING VOLTAGE	14.4V
CHARGING CURRENT	20A
TYPE OF CHARGER	5 step, fully automatic charging cycle
TYPE OF BATTERY	12V lead-acid batteries
BATTERY CAPACITY	40-300Ah
INSULATION	IP65 (splash and dust proof)
ARTICLE NUMBER	56-677



**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 starter battery
- Solar panel regulator with Maximum Power Point Tracking, synchronised with other current sources such as the alternator and/or wind
- Simplified installation of remote batteries for bow thrust of anchor winch

**BENEFITS**

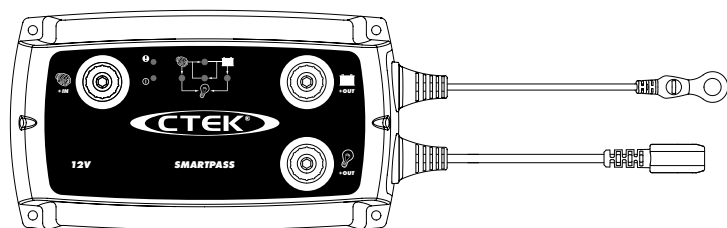
- Maximised battery life due to minimised undercharge time
- Maximised battery capacity when the battery is kept fully charged to avoid harmful sulphate crystals on the lead plates and stratification of the battery acid.
- Ability to take charge automatically from any power source that is connected to 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

**SUITABLE FOR**

- Boats
- Campervans and RVs
- Caravans
- 4WDs
- Housing that rely on generators for extra electricity

**COMPATIBLE WITH**

CTEK SMARTPASS



**FASTER CHARGING**

The D250S DUAL is a 5-step charger that automatically adjusts the charging voltage and current according to the battery state of charge and temperature - reducing a battery's charge time. 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**

The D250S DUAL has the additional benefit of an auxiliary input which can be connected directly to solar panels without the need for a regulator, offering free power from the sun.

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.

The MPPT searches for the most effective combination of solar cell voltage and current, which ensures that the solar and alternator function in unison to maximise power output.

**GUARANTEED QUALITY WITH CTEK**

CTEK offers a 2 year guarantee on all DC/DC chargers. CTEK customer support is an appreciated service, both with regard to general questions or specific issues related to charging and CTEK chargers. Safety, simplicity and flexibility characterizes 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