



**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.

**AUTO**

Fully automatic for optimal charging

**12V**

For all lead-acid batteries

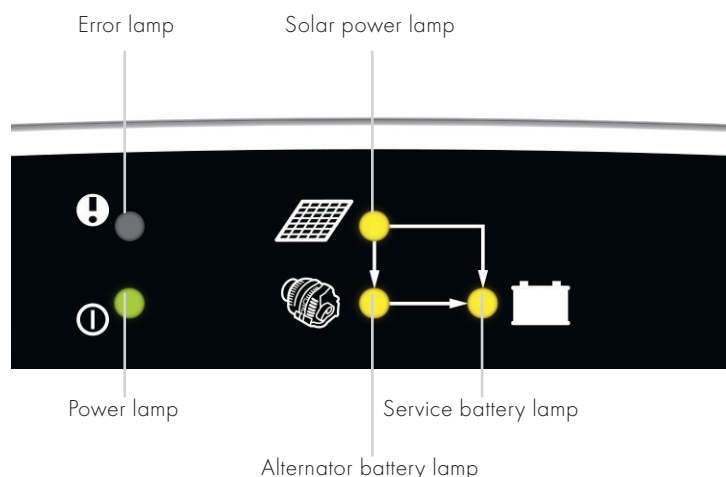
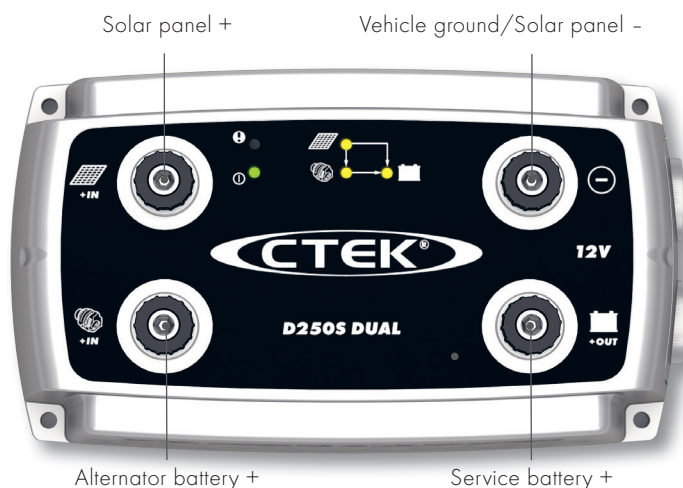


### TECHNICAL DATA

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

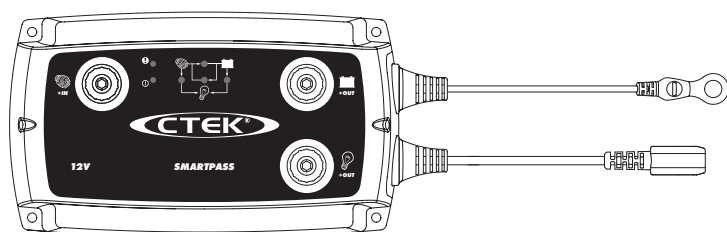
### BENEFITS

- 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

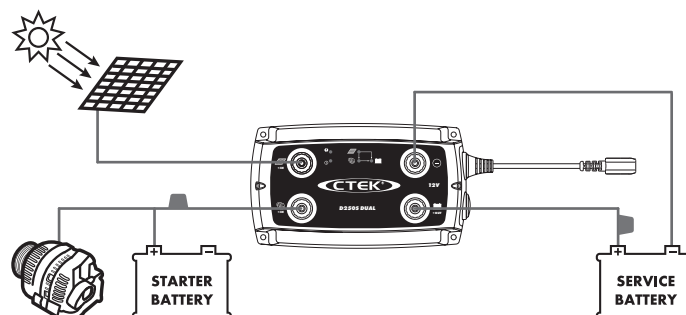


### FASTER CHARGING

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)**



**Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.