



CTEK SMARTPASS

80 A



# CHARGE WHILE YOU DRIVE

## SMARTPASS

BATTERY TO BATTERY CHARGER IN A DUAL BATTERY APPLICATION

SMARTPASS is an energy management unit which controls and optimises energy produced by alternators or conventional AC/DC chargers. It distributes the power to the battery banks or consumers which require energy. Used together with a D250S DUAL, SMARTPASS provides optimal charging via CTEK's unique staged charging cycle, which also protects your batteries. SMARTPASS also has an integrated battery guard which protects deep cycle batteries from harmful total discharge and ensures that critical equipment such as radio, emergency lights and navigation systems always function. SMARTPASS has a temperature sensor which protects batteries against high temperatures.

SMARTPASS is a fully automatic energy management system which can handle up to 80 A for batteries between 28-800 Ah. The energy management system is IP65 classified (water jet and dust protected and approved for outdoor use). Suitable for all types of 12 V lead-acid batteries.

### TECHNICAL DATA

CHARGING CURRENT	80 A
TYPE OF BATTERY	12 V lead-acid batteries
BATTERY CAPACITY	28-800 Ah
INSULATION	IP65 (splash and dust proof)

**AUTO**

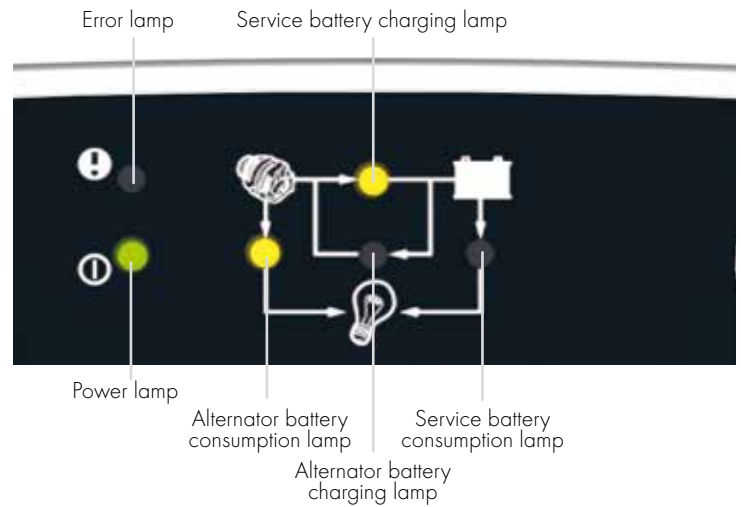
Fully automatic for optimal charging

**12V**

For all lead-acid batteries



THE SMARTEST BATTERY CHARGERS IN THE WORLD



**FEATURES**

- Battery separation eliminates diodes and VSR relays
- Charging of service batteries up to 100 A (together with D250S Dual), reducing recharge time
- To separate the consumers from the Service battery makes charging of Service battery more effective and spare consumers from high charging voltage.
- Temperature protection of services batteries reduces charge current at high temperatures [patent pending]

**BENEFITS**

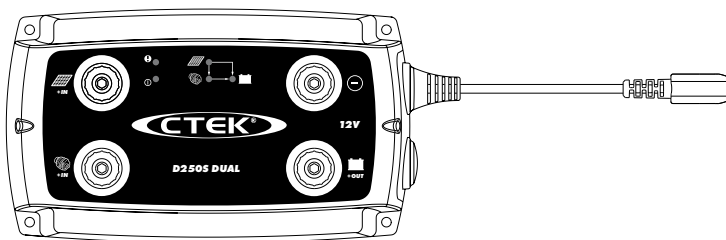
- Maximised battery life as a result of reduced incidences where the battery is undercharged
- Reduced charging times and costs by decreasing engine idling
- Reduced dependency on AC power onshore through efficient use of alternator
- Reduced environmental impact through extended battery life and a reduced idle time
- Minimal installation time and cost

**SUITABLE FOR**

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

**COMPATIBLE WITH**

D250S DUAL

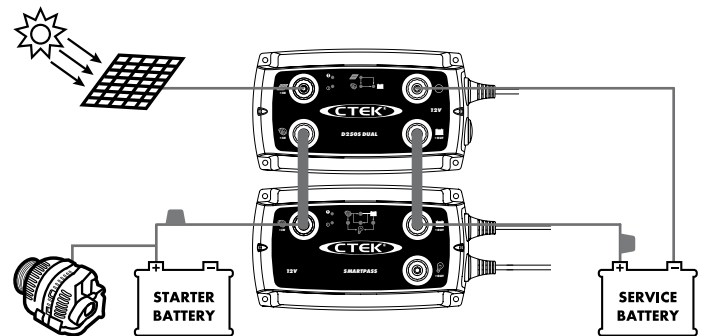


**INTEGRATED SYSTEM**

Combining the D250S DUAL and SMARTPASS ensures optimal battery charging. The SMARTPASS manages the energy transfer through the D250S DUAL, which then converts and produces the optimal voltage of 14.4 V, even if the alternator only produces 14 V.

**BATTERY WATCH TECHNOLOGY**

CTEK's built-in Battery Watch technology allows the SMARTPASS distributes energy to Service battery or consumers or both. The SMARTPASS can also switch off consumers with a battery guard function. This ensures that service batteries are protected from being deeply discharged, providing batteries with an optimal service life and reducing the frequency and need for regular traditional charging.



**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)**