

D250SE

# DUAL INPUT 20A CHARGER WITH SELECTABLE CHARGE VOLTAGES



*With award winning Swedish technology, the dual input D250SE allows you to enjoy your vehicle more with maximized battery capacity as the ideal charger for vehicles without access to a mains power supply.*

## **ENJOY MORE AND RELAX**

The D250SE is a fully automatic, 5 step charger that supplies up to 20A of power to any 12V lead-acid or lithium\* service battery from 40-300Ah. It has selectable charge algorithms for AGM and lithium\* batteries and can use power through its dual input from alternator, solar panel and wind power. When the service battery is fully charged, the D250SE will automatically redirect maintenance charge power to the starter battery. The D250SE can maintain a stable output up to 20A to vehicles fitted with smart ECU controlled alternators and also has a temperature sensor for optimised charging, regardless of weather conditions.

## **KEY FEATURES**

- 20A fully automatic temperature compensated charging for batteries from 40-300Ah while you're on the move
- Dual input (solar and alternator in parallel)
- Smart alternator compatible
- Selectable lithium\* and lead-acid mode
- Solar panel regulator with Maximum Power Point Tracking (MPPT)
- Battery separation replacing diodes and VSR relays
- Selectable AGM option - 14.4V or 14.7V
- Maximised charging for better battery life and performance
- Temperature sensor to compensate for hot or cold conditions
- Splash and dust proof (IP65)
- Compatible with SMARTPASS 120, SMARTPASS 120S for the ultimate 140A power management solution
- 2-year warranty

\*) 12V lithium batteries (LiFePO4, Li-Fe, Li-iron, LFP)



INPUT	11.5-23 V, 25 A
OUTPUT	14.4/14.7 V, 20 A max, lead-acid battery types. 14.2 V, 20 A max, LiFePO <sub>4</sub> .
BACK CURRENT DRAIN*	Less than 1Ah/month
RIPPLE**	Less than 4 %
AMBIENT TEMPERATURE	-20°C to +50°C (- 4°F to +122°F)
BATTERY TYPES	12 V: WET, MF, Ca/Ca, AGM, EFB, GEL, LiFePO <sub>4</sub>
BATTERY CAPACITY	40-300 Ah
INSULATION CLASS	IP65
WARRANTY	2 years
NET WEIGHT (UNIT WITH CABLES)	0.7 kg
GROSS WEIGHT (UNIT IN BOX)	0.9 kg
DIMENSIONS (LXWXH)	192x110x65

\*) Back current drain is the current that drains the battery if the charger is not connected to the mains. CTEK chargers have a very low back current.

\*\*) The quality of the charging voltage and charging current is very important. A high current ripple heats up the battery which has an aging effect on the positive electrode. High voltage ripple could harm other equipment that is connected to the battery. CTEK battery chargers produce very clean voltage and current with low ripple.

#### GUARANTEED QUALITY WITH CTEK

CTEK customer support is available to answer any questions 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 70 countries throughout the world. CTEK is also a reliable OEM supplier to many of the world's most prestigious car and motorcycle manufacturers. For more information visit [WWW.CTEK.COM](http://WWW.CTEK.COM)