

D250SA



# D250SA

## 20A DC/DC BATTERY CHARGER

With award winning Swedish technology, the dual input D250SA can draw its power from smart alternators and other DC sources, making it the ideal charger for vehicles that don't have access to a mains power supply. Its dual input capability means it can draw power from solar and wind sources, in parallel to the alternator.

The D250SA is a fully automatic, 5 step charger that supplies up to 20A of power to charge, condition and maintain any 12V lead acid service battery from 40-300Ah, including Wet, MF, Gel, AGM, EFB and Ca/Ca.

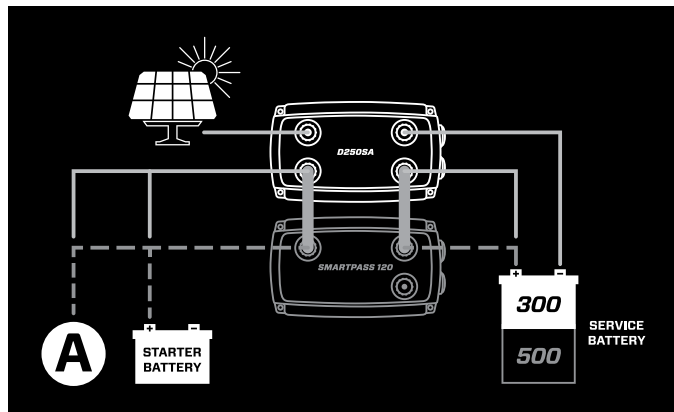
The D250SA uses patented technology so it's safe for you and your vehicle's electronics. It's also IP65 classified (splash and dust proof, and suitable for outdoor use) and comes with a 2-year warranty.

### FEATURES

- 5 step charging from smart and conventional alternators and DC sources, such as solar and wind
- Automatic battery separator works without the need for diodes or VSR relays
- Selectable AGM mode for AGM batteries
- Parallel input from both alternator and solar panel
- Solar panel regulator with Maximum Power Point Tracking (MPPT)
- Starter battery maintenance charging when your service battery is fully charged

## ON BOARD SYSTEMS

D250SA and SMARTPASS 120 can be used independently but work best together when combined for service batteries larger than 100Ah.



## BENEFITS

- Continuous, fully automatic charging while you're on the move for maximum performance, battery life and convenience
- Compatible with smart alternators
- Protects, charges and maintains your starter battery – even if the engine is not running – and charges service batteries from your starter battery without the risk of starting problems
- Fast charging from the alternator and other DC sources – even on short journeys
- Automatic energy management in a single, easy to use unit – no need for traditional diodes or VSR relays
- Environmentally friendly charging with solar or wind

## FASTER CHARGING

The D250SA automatically delivers the optimum charge so your batteries are fully charged in the shortest possible time. You can select normal or 14.7V AGM charge voltages. It also has a temperature sensor to compensate for hot or cold conditions and avoid the risk of your battery overheating or overcharging.

## DIRECT CONNECTION FOR SOLAR POWER

The D250SA has an input for connecting solar panels without the need for a regulator. It also features a Maximum Power Point Tracker (MPPT) to get the maximum power out of your solar panels.

## SMART ALTERNATOR COMPATIBILITY

Vehicle manufacturers are now introducing smart ECU (Engine Control Unit) controlled alternators to increase fuel efficiency and lower emissions. Smart alternators deliver a variable output and are shut off when they're not needed. The D250SA will still operate even if the smart alternator is shut off and maintain a stable output of up to 20A to fully charge your battery in the shortest time.

## TECHNICAL SPECIFICATION

Input	11.5–23V, 25A
Output	Max 14.4V (14.7V in AGM), 20A
Back current drain	Less than 1Ah/month
Ambient temperature	-20°C to +50°C (-4°F to +122°F)
Battery types	All types of 12V lead-acid batteries (WET, EFB, Ca/Ca, MF, AGM and GEL)
Battery capacity	40–300Ah
Dimensions	192 x 110 x 65mm (L x W x H)
Insulation class	IP65 (splash and dust proof)
Part.nr	40-186

## 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.

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