

SMARTPASS 120



# SMART PASS 120

120A ON BOARD POWER MANAGEMENT SYSTEM

SMARTPASS 120 is a fully automatic 120A power management system that prioritizes, controls and maximizes energy from your alternator to power your service battery. It safely separates your starter and service batteries automatically. It also distributes power between the starter battery, the service battery and on board equipment without the need for traditional diodes or VSR relays. This means that SMARTPASS 120 can make sure that critical functions like starters, radios, emergency lights and communication systems always have the power they need, and take priority over non-critical functions.

SMARTPASS 120 works with any 12V lead acid battery. It can also be used with the CTEK D250SA 20A on board charger for the ultimate 140A power management system.

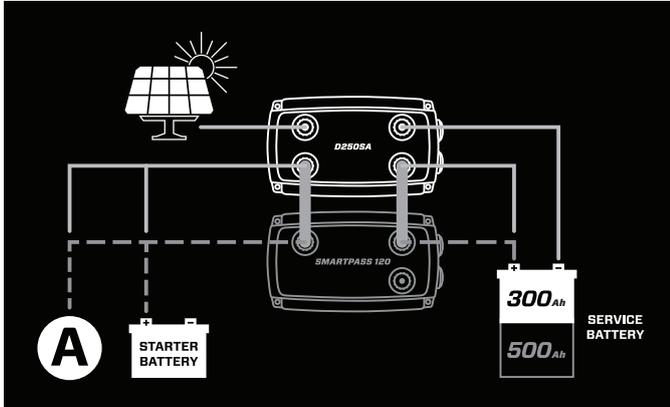
## FEATURES

- Automatic battery separator works without the need for diodes or VSR relays
- Battery Guard makes sure that critical functions always have power and protects your service battery from total discharge
- Start Assistance uses power from your service battery to help get your engine started if your starter battery is flat
- Dynamic Over Current Protection to handle outputs of up to 350A for up to 10 seconds
- Battery temperature protection switches off charging if your service battery temperature is too high
- Current Source priority supplies power to critical equipment directly from the alternator when the engine is running
- Starter battery maintenance charging when your service battery is fully charged

## SMARTPASS 120

### COMBINE YOUR ON BOARD SYSTEMS

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



### BENEFITS

- Fast charging – even on short journeys – using 120A current from the alternator
- Starts the engine from the service battery when your starter battery is flat
- Prioritizes critical functions so they're always powered up and working when you need them
- Automatic energy management in a single, easy to use unit – no need for traditional diodes or VSR relays
- High temperature protection for added safety

### FLAT STARTER BATTERY? NO PROBLEM

SMARTPASS 120 has a Start Assistance function that uses current from your service battery to start your engine when your starter battery is flat so you're back on the road quickly.

### NEED MORE POWER? NO PROBLEM

If you're using equipment like winches that need more than 120A, SMARTPASS 120's Dynamic Overcurrent Protection function can give you outputs of up to 350A for short bursts up to 10 seconds.

### THE ULTIMATE POWER MANAGEMENT SOLUTION

Combine your SMARTPASS 120 with the D250SA for a system that delivers up to 140A to your service batteries while you're on the move. The combined system can draw its power from the alternator – including smart alternators – as well as solar and wind generated power. The system is optimized for AGM batteries and can deliver a fully automatic 5 step charge to charge, condition and maintain any 12V lead acid battery from 28-800Ah.

### TECHNICAL SPECIFICATION

Input	11.5–23V, Max 120A (350A temporarily for 10 seconds)
Output	Max. 14.4V, 120A (350A temporarily for 10 seconds)
Back current drain	Less than 7Ah/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	28–800Ah
Dimensions	192 x 110 x 65mm (L x W x H)
Insulation class	IP65 (splash and dust proof)
Part.nr	40-185

### 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)