

120 Amp On-Board Power Management System



Part No.: T26001561299

SMARTPASS 120 is a fully automatic 120 A 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.

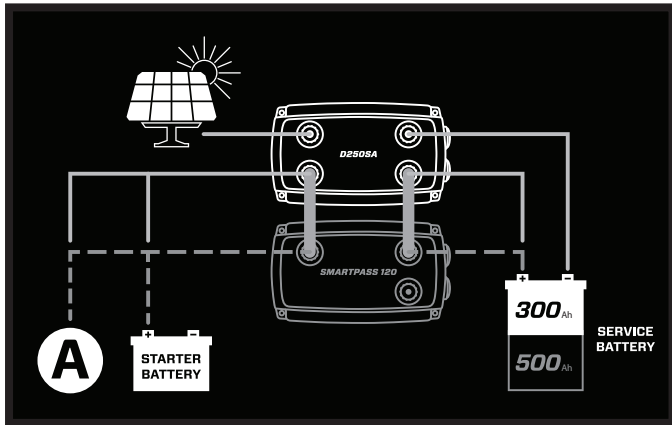
SMARTPASS 120 works with any 12 V lead acid battery. It can also be used with the CTEK D250SA 20 A on-board charger for the ultimate 140 A power management system.

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 350 A 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

Combine Your On-Board Systems

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



Benefits

- Fast charging – even on short journeys – using 120 A 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 120 A, SMARTPASS 120's Dynamic Overcurrent Protection function can give you outputs of up to 350 A for short bursts up to 10 seconds.

Technical Specification	
Input	11.5–23 V, Max 120 A (350 A temporarily for 10 seconds)
Output	Max. 14.4 V, 120 A (350 A temporarily for 10 seconds)
Back Current Drain	Less than 7 Ah/month
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Battery Types	All types of 12 V lead-acid batteries (WET, EFB, Ca/Ca, MF, AGM and GEL)
Battery Capacity	28–800 Ah
Dimensions	192 x 110 x 65 mm (L x W x H)
Insulation Class	IP65 (splash and dust proof)
Part No.	T26001561299
OE No.	40-185

The Ultimate Power Management Solution

Combine your SMARTPASS 120 with the D250SA for a system that delivers up to 140 A 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 12 V lead acid battery from 28-800 Ah.

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 supplies 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.

This may not be a stock item. Please speak to your sales representative about lead times. Lead times, price and availability can only be determined on receipt of an official quote from our supplier. This can sometimes take up to 3 days.

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