

# POWER MANAGEMENT SYSTEM FOR STARTER AND SERVICE BATTERIES



*Smartpass 120S charges and supplies the service battery and equipment with 120A, separates critical equipment from non-critical equipment ensuring that radio, emergency lights and navigation systems always have power.*

## **SEPARATE, PRIORITIZE AND BOOST BATTERIES AND EQUIPMENT**

Smartpass 120S is a 120A Power Management Solution which distributes, controls and maximises the available energy from your alternator to power service batteries and consumers. SMARTPASS 120S handles all 12V batteries between 28-800Ah. The Smartpass 120Ss Battery Guard function ensures that critical equipment such as radio, emergency lights and navigation systems always have power and take priority when the voltage on the service battery is low disconnecting non-critical consumers. The unit's Battery Guard will protect your service battery from total discharge and built in over temperature protection reduces charge current before the battery temperature gets too high. SMARTPASS 120S is compatible with the D250SA and D250SE 20A on board chargers.

## **KEY FEATURES**

- Smart alternator compatible
- Delivers 120A for quick recharge of batteries 28-500Ah
- Compatible with D250SA and D250SE for the ultimate 140A power management solution
- Prioritizing critical consumers and supplies consumers directly from the alternator
- Start assistance function
- Battery separation eliminates diodes and VSR relays
- Fully automatic
- Maximizes battery life
- Battery Guard to protect your secondary battery from total discharge
- Dynamic over current protection to handle temporary inputs and outputs of up to 350A for fast charging
- Battery temperature protection for added safety
- Splash and dust proof (IP65)
- 2-year warranty



INPUT	11.5-23 V, 120 A max (350 A temporarily for 10 seconds)
OUTPUT	Max. 120 A (350 A temporarily for 10 seconds)
BACK CURRENT DRAIN*	Corresponding to less than 7 Ah/month
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	28-800 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.

**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)