

# D250SE

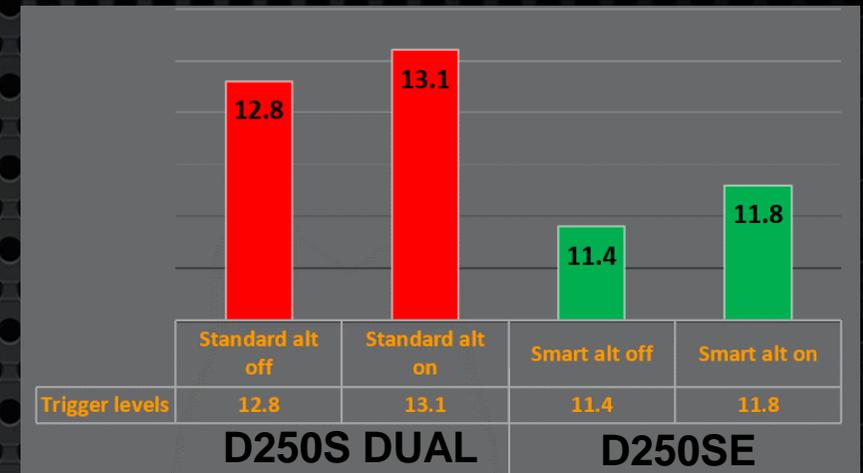
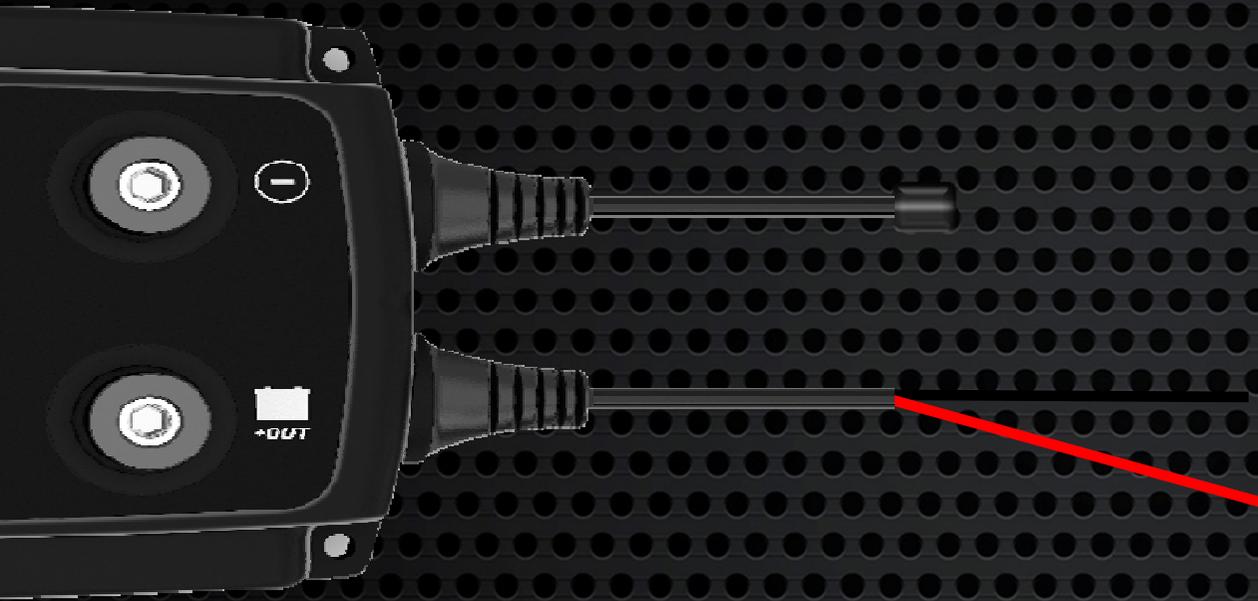
*Whats new*



- Its black
- Smart alternator compatible
- Selectable voltage
- Lead acid and Lithium charging
- Improved MPPT
- Trickle charge of starter battery from service battery
- Improved cable connection

# D250SE

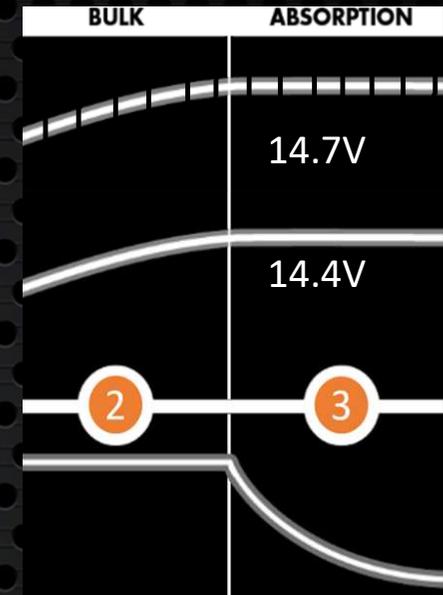
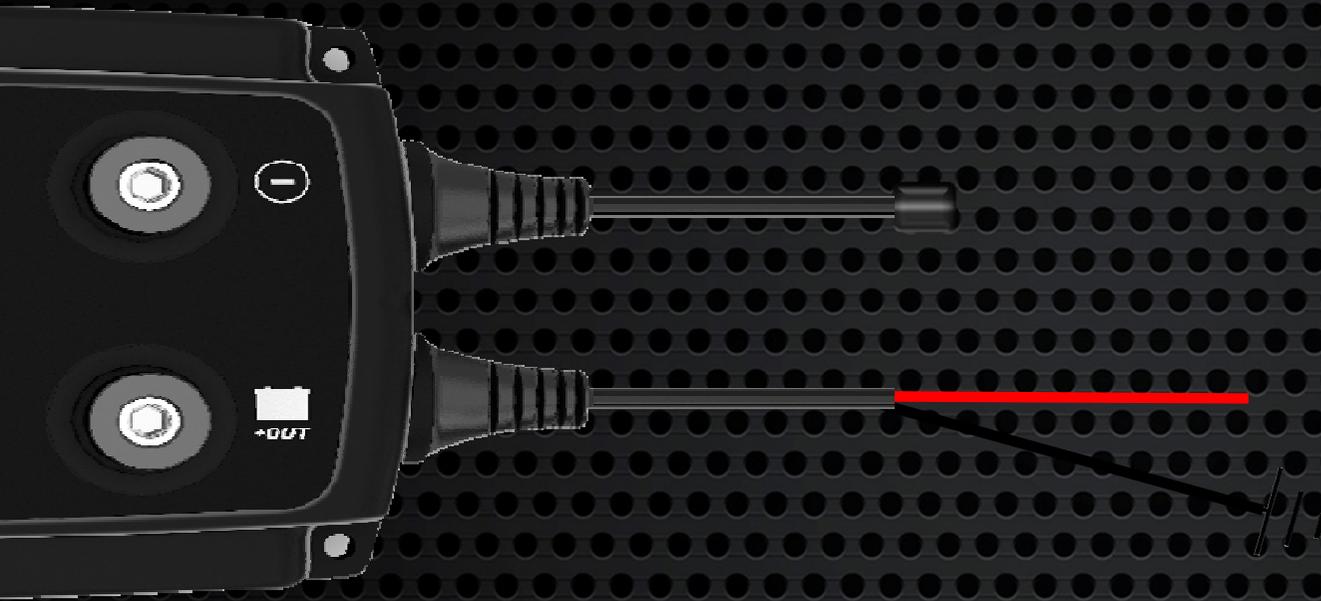
The D250SE is smart alternator compatible.



For smart alternator selection the RED wire must be connected to an ignition feed  
+15 Din 72552

# D250SE

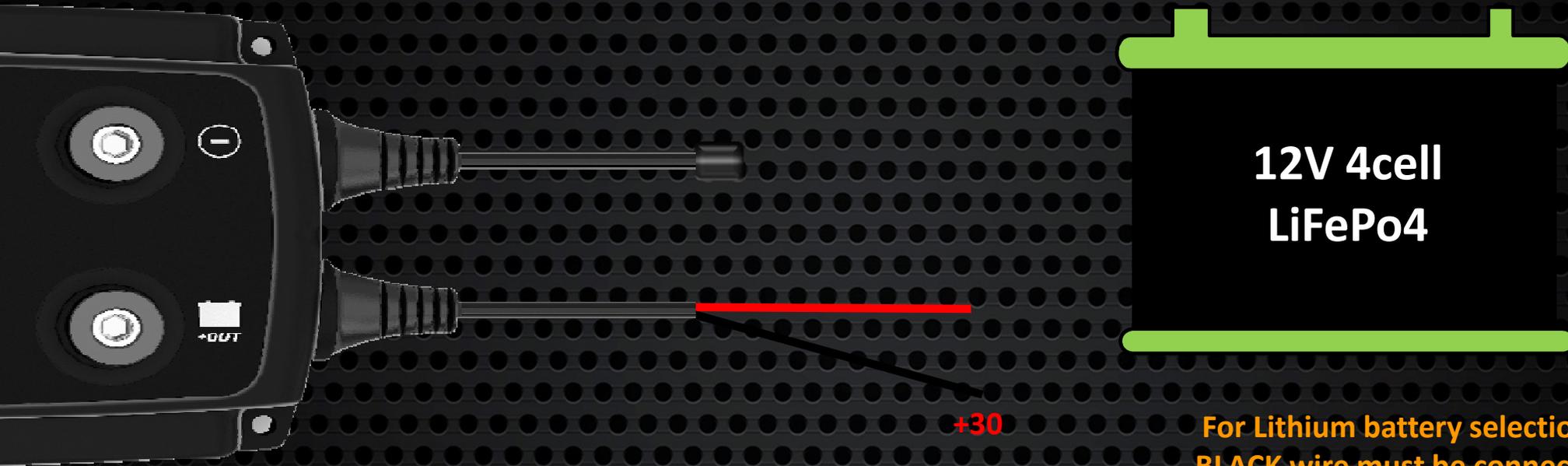
The D250SE dual voltage selection for AGM batteries.



For AGM batteries connect BLACK wire to a suitable ground or earth

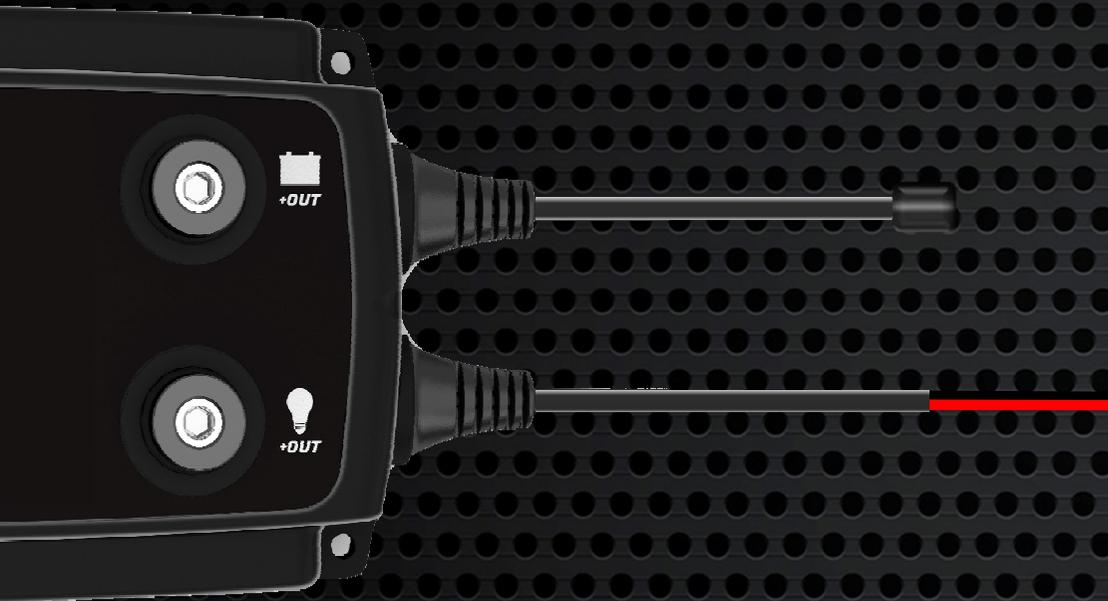
# D250SE

Lithium Selection 12V Li-FePo4, Li-Fe, Li-iron, LFP.



For Lithium battery selection the **BLACK** wire must be connected to a constant live feed **+30**  
**DIN72552**

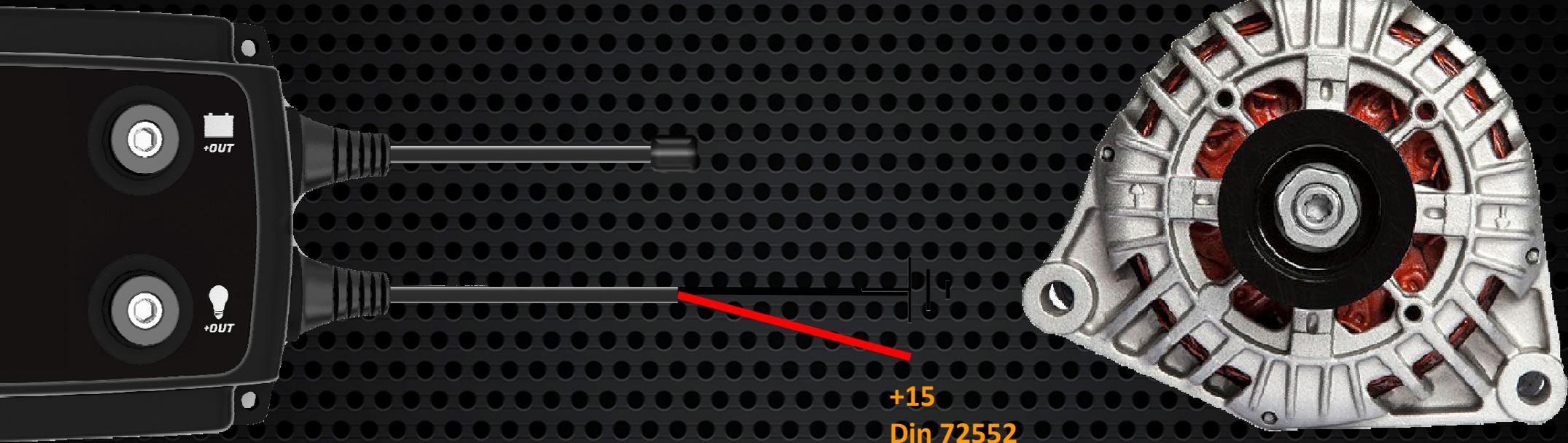
## Smartpass 120S



- Its black
- Smart alternator compatible
- Emergency start assistance
- Up to 120 A charging as stand alone unit
- Trickle charge of starter battery from service battery
- Dynamic overcurrent protection
- Improved cable connection

# Smartpass 120S

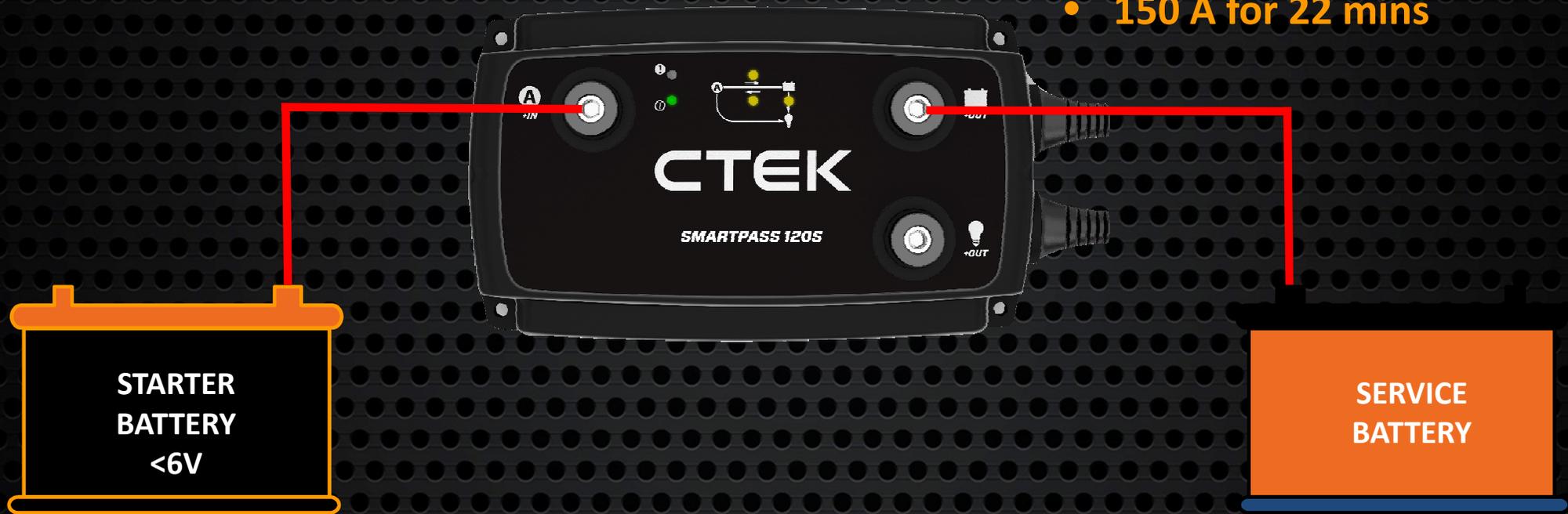
Smart alternator compatible



# Smartpass 120S

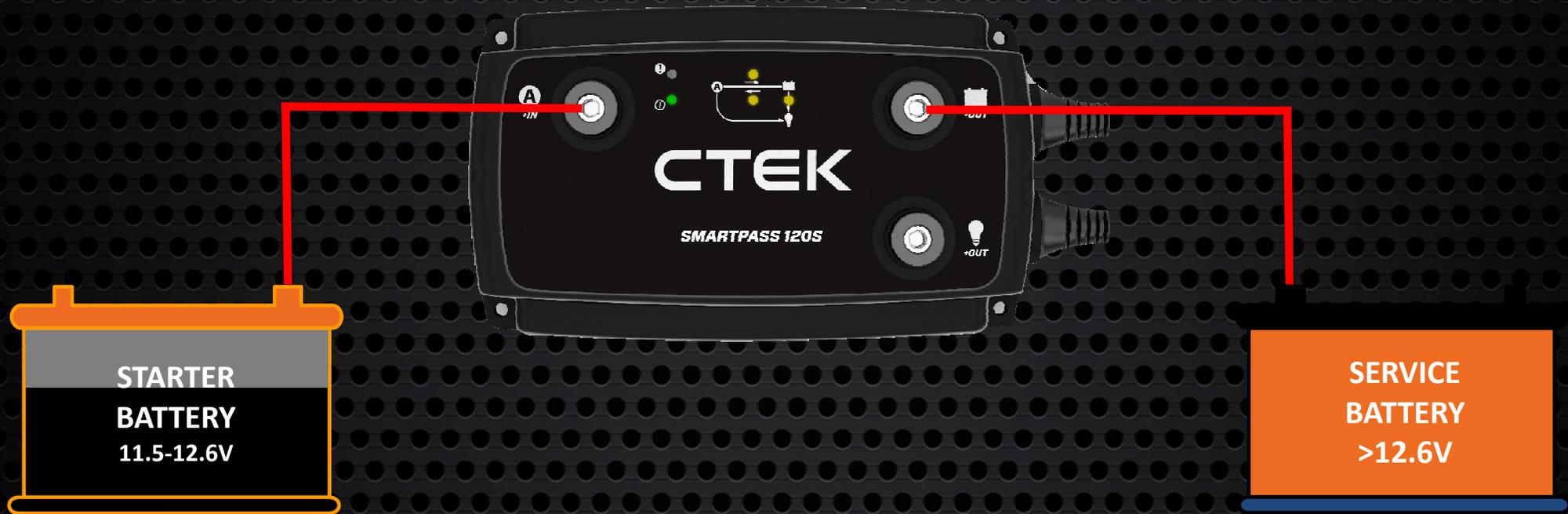
Emergency start assistance

- 350 A for 30 seconds
- 200 A for 3 mins
- 150 A for 22 mins



# Smartpass 120S

*Trickle charge of starter battery from service battery*



# Smartpass120S Vs VSR

Function	MOSFET (VSR)	Smartpass
Auto on /off Voltage sensing	Y	Y
Charging via Alternator	Y	Y
Charging of Large battery banks	Y	Y
Starter/ service battery seperation	Y	Y
Emergency start function	N	Y(starter battery<6V)
Starter battery trickle charge	N	Y(starter battery 11.5 V- 12.6 V)
Current source priority	N	Y
Battery watch low voltage protection	N	Y(cut out 11.5 V- cut in 12 V)
Temperature Sensing protection	N	Y (60C)
Overcurrent protection	N	Y (350 A for 10 sec)

So much more than a VSR