



\* Fuse recommended. Please verify directive for applicable installation regarding fuses

## General Information

**Starter battery:**

Typically 55Ah to 100Ah for automotive applications.

A start battery should never be deeply discharged.

**Alternator:**

If the alternator is a "smart alternator" that can adjust voltage level by the engine control module or similar. To get D250SA support a Smart alternator you connect the Red Smart Alternator cable to the ignition.

**Service battery:**

Size 40Ah to 600Ah. (2xD250SA)

When 20A with one D250SA gives to long recharge time and alternator has a low voltage providing a low current through SMARTPASS 120, a solution is two parallel connectet D250SA.

Batteries are connected in parallel to increase capacity (Ah). Suitable deep cycle batteries should be used.

**Charge voltage:**

You can choose between 14.4V and 14.7V (AGM) on D250SA.

If you not connect the Black AGM cable you get 14.4V  
If you connect the Black AGM cable to minus you get 14.7V.

**D250SA:**

Install according to instruction manual.

Parallel connect two D250SA by connecting inputs with each other and the same with the outputs.

Both unit must be connectet to ground.

**Fuses:**

If fuses are used, mount the fuses as close to each battery as possible.

Suitable fuse size:

2 X D250SA: 50A

Please verify directive for applicable installation regarding fuses.

**Temperature sensor:**

Attach the temperature sensor onto the service battery.

**Wiring:**

Please see instruction manual for suitable dimensions. Please verify directive for applicable installation regarding wiring.

A thick wire generate less voltage drop than a thinner wire at high current.