

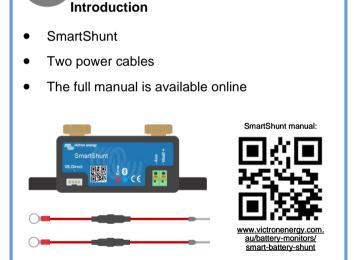




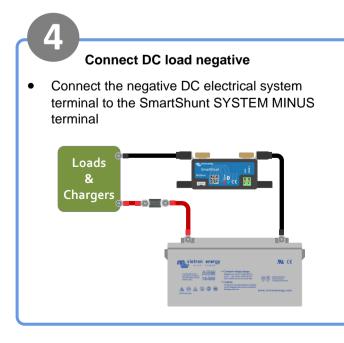
## **Battery safety warnings**

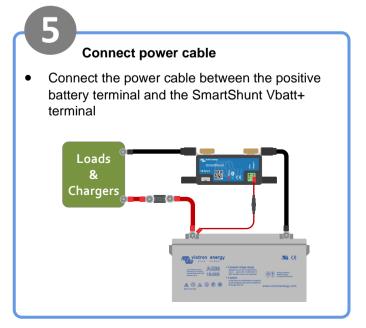


- Working in the vicinity of a lead acid battery is dangerous. Batteries can generate explosive gases during
  operation. Never smoke or allow a spark or flame in the vicinity of a battery. Provide sufficient ventilation around
  the battery.
- Wear eye and clothing protection. Avoid touching eyes while working near batteries. Wash your hands when
  done.
- If battery acid contacts skin or clothing, wash them immediately with soap and water. If acid enters an eye, immediately flood the eye with running cold water for at least 15 minutes and get medical attention immediately.
- Be careful when using metal tools in the vicinity of batteries. Dropping a metal tool onto a battery might cause a short circuit and possibly an explosion.
- Remove personal metal items such as rings, bracelets, necklaces, and watches when working with a battery. A
  battery can produce a short circuit current high enough to melt objects such as rings, causing severe burns.



## Connect battery negative • Connect the negative battery terminal to the SmartShunt BATTERY MINUS terminal Loads Chargers

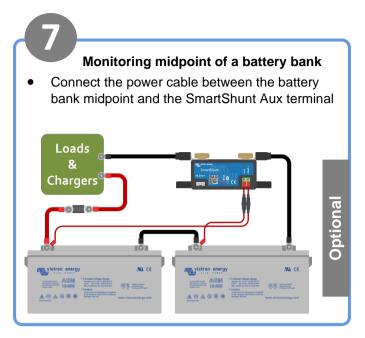




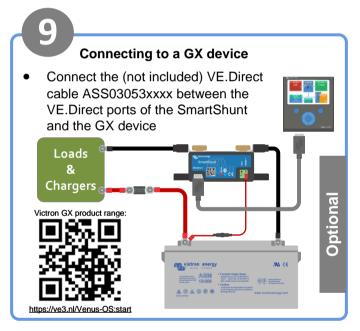


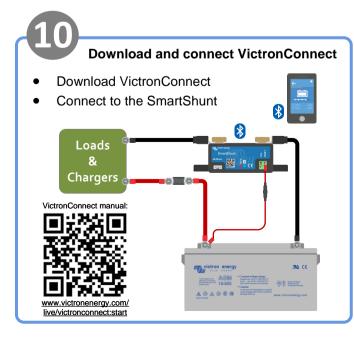
## SmartShunt Quick installation guide

# Monitoring voltage of a second battery • Connect the power cable between the positive terminal of the second battery and the SmartShunt Aux terminal • Connect the negative of the second battery to the SmartShunt SYSTEM MINUS terminal Loads Chargers



# Monitoring battery temperature The red power cables (included) are not used. Connect the (not included) temperature sensor ASS000100000 to the positive battery terminal. Connect the temperature sensor red wire to the B1 terminal and the black wire to the B2 terminal.





## Make essential VictronConnect settings

## Set the battery capacity

- Set the functionality of the auxiliary input (if used)
- Set the charged voltage parameter:

Nominal battery voltage	Charged voltage setting
12V	13.2V
24V	26.4V
36V	39.6V
48V	52.8V

### Additional settings for lithium batteries:

- Set the charge efficiency at 99%
- Set the Peukert exponent at 1.05

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