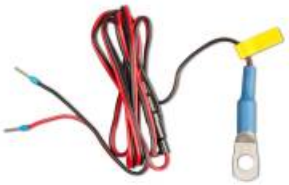
Temperature Sensors

Victron products can make use of temperature sense information to improve accuracy of battery charging. There is a range of various sensors that you can use depending on your product. Some come included, others can be purchased separately.

Temperature Sensor	VE.Bus Smart Dongle (1)	Smart Battery Sense (3M)	Smart Battery Sense (10M)	Temperature Sensor for Quattro, MulitPlus & GX Device (2)	Temperature Sensor for BMV (2)
Picture					
Products Supported	MultiPlus-II and VE.Bus devices	Bluetooth enabled VE.Direct MPPTs	Bluetooth enabled VE.Direct MPPTs	MultiPlus, Quattro, Compatible GX devices (Cerbo GX, Venus GX, etc), VE.Can MPPT, Skylla-S, Sylla-TG and Skylla-i	Battery Monitors with Temp Support - eg BMV-702 & 712, & VE.Bus Smart Dongle
Victron Part Number	ASS030537010	SBS050100200	SBS050150200	ASS000001000	ASS000100000
Temperature on VRM	Yes	No	No	MultiPlus - Yes, Venus GX - Yes, VE.Can MPPT - Yes	Yes
Product Page	Product	Product	Product	Product	Product
Manual	Accessory Manual	Accessory Manual	Accessory Manual	See Inverter / Charger / Device Product Manual	See Battery Monitor Product Manual
Supports VE.Smart Networking	No	Yes	Yes	No	Yes with BMV-712; Yes with dongle for BMV-702

(1) You can mount the dongle itself directly on the battery. It has an internal temperature measurement. There are also terminals you can connect an external probe to as well, you must use the probe part - ASS000100000.

(2) If desired, cable length may be shortened without any issue. Although discouraged and unsupported, cable length may also be extended if necessary for the installation - providing the additional length is kept short and conductor cross section is sufficient, a slight increase in cable resistance will not negatively effect the temperature reading accuracy. Note that a notable increase in cable resistance to the BMV temperature sensor will also effect the voltage reading accuracy.

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