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## **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<br>Sensor              | VE.bus Smart Dongle                                     | Smart Battery<br>Sense (3M)                                                                        | Smart<br>Battery Sense<br>(10M)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Temperature<br>sensor<br>QUA/PMP/GX<br>Device                                                                                             | Temperature Sensor for BMV                               |
|------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Picture                            | Number App victors enterpy  To row  VE.Bus Smart Dongle | Smart Battery Sense 12/24489 Battery voltage and temperature sensor Error  Red: Bat + Black: Bat - | Size Black: Bat - Rod: Bat + Smort Bathary Sense Blacks - Barror Blacks - Barr |                                                                                                                                           |                                                          |
| Products<br>Supported              | MultiPlus-II and VE.Bus<br>devices                      | Bluetooth enabled<br>VE.Direct MPPTs                                                               | Bluetooth<br>enabled<br>VE.Direct<br>MPPTs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MultiPlus,<br>Quattro,<br>Compatible GX<br>devices (Cerbo<br>GX, Venus GX,<br>etc), VE.Can<br>MPPT, Skylla-S,<br>Sylla-TG and<br>Skylla-i | Battery Monitors with Temp<br>Support - eg BMV-702 & 712 |
| Victron Part<br>Number             | ASS030537010                                            | SBS050100200                                                                                       | SBS050150200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ASS000001000                                                                                                                              | ASS000100000                                             |
| Temperature<br>on VRM              | No                                                      | Yes                                                                                                | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MultiPlus - No,<br>Venus GX -<br>Yes, VE.Can<br>MPPT - *???*                                                                              | Yes                                                      |
| Product Page                       | Product                                                 | Product                                                                                            | Product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Product                                                                                                                                   | Product                                                  |
| Manual                             | Accessory Manual                                        | Accessory Manual                                                                                   | Accessory<br>Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | See Inverter /<br>Charger /<br>Device Product<br>Manual                                                                                   | See Battery Monitor Product<br>Manual                    |
| Supports<br>VE.Smart<br>Networking | No                                                      | Yes                                                                                                | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No                                                                                                                                        | Yes with BMV-712; Yes with dongle for BMV-702            |

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