

# VE.Direct non inverting remote on-off cable

www.victronenergy.com

Partnumber ASS030550320

## Purpose and function

Use this cable to remotely control BlueSolar and SmartSolar MPPT Charge controller models.

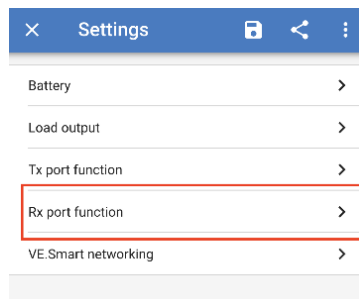
Note that it's not necessary to use this cable on the larger SmartSolar models, as they feature an onboard Remote on/off terminal.

The charger will be enabled when the signal on the cable is high. The charger is disabled when the source signal is pulled low or left free floating.

Note that a VE.Direct port can only be used for one purpose. Therefore, when using this cable, it is not possible to use the Solar Charger VE.Direct port for any other purpose. Such as connecting to a [GX device](#), or for example a [VE.Direct Bluetooth Smart dongle](#) on a BlueSolar Charger.

## Configuration

Note that all models that feature a load output, the (75/10, 75/15, 100/15 & 100/20) need to use [VictronConnect](#) to change this setting.



For all other models it is not necessary to change any settings, as their VE.Direct RX pin is set to Remote on/off by factory default.

## Specification

- Maximum input voltage: 70V
- Minimum input voltage needed for switch on: approximately 6V
- Switch off level: input voltage must be less than 1V or must be free floating

## Usage with a VE.Bus BMS or a smallBMS

Example schematic showing how the cable is wired in between the VE.Bus BMS and a Solar Charger:

