

Introduction

This page is created to inform you on the details of NMEA 2000 PGNs that are transmitted by Victron CAN enabled products.

Switch Bank Control - PGN 127502 (0x1F20E) (deprecated)

This message is no longer transmitted and has been replaced by PGN 127501.
This applies to products with versions as specified in the table below or newer.

| Product | Version |
|--------------------------------|---------|
| BlueSolar MPPT 150/70 & 150/85 | v1.08 |
| Lynx Shunt VE.Can | v1.00 |
| Skylla-i | v1.08 |
| VE.Direct to VE.Can\NMEA 2000 | v1.06 |
| VE.Bus to VE.Can\NMEA 2000 | v0.12 |

Binary Status Report - PGN 127501 (0x1F20D)

This PGN is sent out by multiple products, however the details differ per product.

BlueSolar Charger 150/70 & 150/85

| Signal | Meaning |
|-----------------------------|---|
| Binary Device Bank Instance | Instance of the message, default value 0 |
| Status 1 - Relay | "On" - The relay on the charger is active, the contact is closed |
| Status 2 - Alarm | "On" - There is an alarm condition |
| Status 3 - Low voltage | "On" - Battery voltage is too low |
| Status 4 - High voltage | "On" - Battery voltage is too high |
| Status 5 - Solar activity | "On" - Solar panel irradiated (can be used for day/night detection) |
| Status 6 ... 28 | Not used, reports "No Action" |

VE.Direct to VE.Can\NMEA 2000 interface

| Signal | Meaning |
|-----------------------------|--|
| Binary Device Bank Instance | Instance of the message, default value 0 |
| Status 1 - Relay | "On" - The relay on the charger is active, the contact is closed |
| Status 2 - Alarm | "On" - There is an alarm condition |
| Status 3 - Low voltage* | "On" - Battery voltage is too low |
| Status 4 - High voltage* | "On" - Battery voltage is too high |
| Status 5 - Low SOC* | "On" - The Battery state of charge is too low |
| Status 6 - Low voltage 2* | "On" - Starter Battery voltage is too low |
| Status 7 - High voltage 2* | "On" - Starter Battery voltage is too high |
| Status 8 ... 28 | Not used, report as "No Action" |

* BMV version 2.08 and higher

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Last update: **2015-04-29 09:59**

