

# veKonvert

## New Product Introduction

### EURO Dealer Information

**veKonvert - Victron veDirect-NMEA 2000 gateway  
and BM100 battery monitoring system (system solution)  
Battery & Electrical Monitoring for NMEA 2000 systems**

Interface Pack ve Konvert  
Part Number: ZDIGVEKVT  
UPC: 703791696543  
RRP: 185 € ex VAT  
Availability: August 2023

Complete Solution/Bundle Pack BM100  
Part Number: ZDIGISSPK3  
UPC: 703791696550  
RRP: 345 € ex vat  
Availability: August 2023



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# veKonvert NMEA 2000 gateway

Electrical power monitoring is critical on every boat and Victron are a leading manufacturer of battery monitoring systems and MPPT solar charge controllers.

In conjunction with Victron, Digital Yacht have developed a new gateway that will connect the VE.Direct interface of any Victron Battery Monitor, SmartShunt or MPPT device, directly to an NMEA 2000 network.

Once the data is on the NMEA 2000 network, any compatible Multi Function Display can show real time electrical status with voltages, charge/discharge currents, and battery state. veKonvert also supports NMEA 2000 Alerts so any low voltage or state of charge alarms can create pop up alarms on compatible MFDs.

Installation is simple - just "T" into the NMEA 2000 backbone, plug into the VE.Direct custom connector on the Victron device and you immediately have electrical data on your NMEA 2000 network!



**"veKonvert brings NMEA 2000 connectivity to Victron's popular SmartShunt battery monitoring system – now your multi function display becomes a sophisticated battery and energy management system"**

# veKonvert - At a glance

- Universal NMEA 2000 gateway for Victron products with a VE.Direct interface (see compatibility list)
- Enables battery management or solar charge monitoring on compatible Multi Function Displays (Raymarine, Garmin, Navico, Furuno etc)
- Provides battery voltage, charge/discharge current, state of charge and time to depletion based on sophisticated algorithm
- Easy installation, plug 'n' play connectivity and self-powered from the NMEA 2000 bus
- Generates NMEA 2000 Alerts, from any BMV or SmartShunt Alarms
- Supports multiple SmartShunts for larger multi battery systems

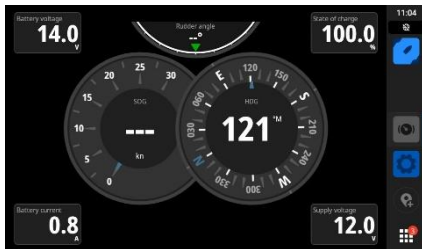


**“veKonvert is available as an interface only to connect to existing systems or as the BM100 system with Victron’s popular SmartShunt 500A system included for new installs”**

# Typical Multi Function Display pages



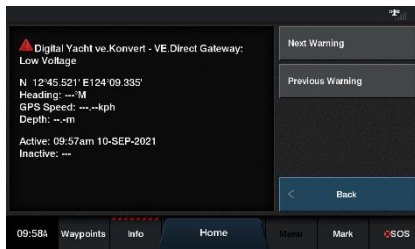
Raymarine



Garmin – MFDs also support NMEA 2000 Alerts that veKonvert generates from SmartShunt Alarms

Popular MFDs all have attractive and easy to understand displays of boat electrical & battery data

Navico



# BM100 Battery Monitoring Solution

For new installs, the BM100 solution comes as a complete package with SmartShunt and veKonvert NMEA 2000 interface.

- Bluetooth interface for setup and detailed analysis including charge/discharge cycles, state of charge, remaining capacity and historical data
- Use your phone/tablet and your NMEA 2000 devices for battery monitoring and management
- 500A SmartShunt included for main battery system
- Monitor voltage of a separate (e.g. starter) battery



The BM100 is a complete system comprising SmartShunt and veKonvert NMEA 2000 interface. It is part of Digital Yacht's iSeaSense range of NMEA 2000 boat instruments

# veKonvert - Solar Panel MPPT NMEA 2000 interface

The veKonvert can also act as a NMEA 2000 interface for Victron's large range of MPPT Solar Charge Controllers

- First solar panel monitoring system for NMEA 2000
- Auto detect and configuration for MPPT controller
- Supports custom solar panel NMEA 2000 PGN with solar panel data
- Plug 'n play install
- Multi MPPT compatible with field settable NMEA 2000 instances



**“veKonvert auto detects type of Victron unit and configures for MPPT solar charge controller monitoring too”**

# veKonvert – Compatibility List

veKonvert is compatible with the following Victron products...

- BMV -700
- BMV -702
- BMV -700H
- BMV-712 Smart
- BMV-710H Smart
- BMV-712 Smart Rev2
- SmartShunt 500A/50mV
- SmartShunt 1000A/50mV
- SmartShunt 2000A/50mV
- All MPPT Charge Controllers

**NOTE** - veKonvert is not compatible with Victron Chargers and Inverters. It should also not be plugged in to the VE.Direct interfaces of any Victron “Consumers” such as Multiplus, Quattro, Cerbo, etc.

# Ordering Information

veKonvert - Digital Yacht veDirect to NMEA 2000 Gateway	Description
Manufacturer Description Part Number	DIGITAL YACHT veKONVERT NMEA 2000 GATEWAY ZDIGVEKVT
UPC	703791696543
Price Standard dealer discounts apply	185 € excluding vat
Key features	<ul style="list-style-type: none"> <li>• VE.Direct to NMEA 2000 gateway</li> <li>• Gets battery data from Victron SmartShunt to NMEA 2000 systems – voltage, current, state of charge, capacity etc with alerting function too               <ul style="list-style-type: none"> <li>• Compatible with all leading multi function displays</li> </ul> </li> <li>• Supports multiple battery banks (one device required per shunt)               <ul style="list-style-type: none"> <li>• Easy plug 'n play installation</li> </ul> </li> <li>• Also compatible with Victron MPPT solar controllers</li> </ul>
Shipping weight Commodity code Country of origin More information	0.15kg 90148000 UK <a href="http://www.digitalyacht.eu.com">www.digitalyacht.eu.com</a>

# Ordering Information

BM100 NMEA 2000 Battery Monitoring System	Description
Manufacturer Description Part Number	DIGITAL YACHT BM100 NMEA2000 BATTERY MONITOR SYSTEM WITH 500A SHUNT ZDIGISSPK3
UPC	703791696550
Price Standard dealer discounts apply	345 € excluding vat
Key features	<ul style="list-style-type: none"> <li>• Battery and energy monitoring of voltage, current, state of charge, capacity and time remaining with 500A smart shunt               <ul style="list-style-type: none"> <li>• Bluetooth and NMEA 2000 interfaces</li> </ul> </li> <li>• Multiple units can support multi battery installations               <ul style="list-style-type: none"> <li>• Simple plug 'n play installation</li> </ul> </li> </ul>
Shipping weight Commodity code Country of origin More information	0.4kg 90148000 UK <a href="http://www.digitalyacht.eu.com">www.digitalyacht.eu.com</a>