

## Features

- 2.4Ghz - 2.5Ghz Wireless Link:
- UART/SPI interfaces
- Support for both mains-powered and battery-powered devices
- Operating Voltage: 3.3VDC to 18VDC typical
- Temperature Range: -40C to +85C

## Integrated Networking Stack

- Integrated power management
- Integrated wireless Link

## Applications

- Battery Chargers
- Power Supplies



## VDLC52-79DP

### Installation Instructions

Wires on the back of the unit should be attached to the battery. Red wire is Batter + terminal and black is Battery - terminal. Once connected, the LEDs will light up on the front and display battery status.

### Operating Instructions

Once unit is connected to the battery the LEDs will light up on the front and display battery status. There are 9 LEDs representing between 0 and 100% charge.

Alternatively, open the Bluetooth App and connect to device. Battery status will be displayed on the app.

### Note

*Warning: Changes or modifications to this device not expressly approved by Viper Design LLC could void the user's authority to operate the equipment.*

### FCC PART 15

*THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION*

*IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST*

*ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.*

## **Class B Device**

*“NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:*

- *Reorient or relocate the receiving antenna.*
- *Increase the separation between the equipment and receiver.*
- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- *Consult the dealer or an experienced radio/TV technician for help.”*

## **RF Exposure**

*This equipment complies with radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with Maximum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.*

*Cet équipement est conforme aux limites d'exposition aux radiations dans un environnement non contrôlé. Cet équipement doit être installé et utilisé à distance minimum de 20 cm entre le radiateur et votre corps. Cet émetteur ne doit pas être co-localisées ou opérant en conjonction avec tout autre antenne ou transmetteur.”*

## **Low Power License-Exempt Device**

*This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.*



## VDLC52-79DP

*Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

### FCC/IC Info

Model: VDLC52-79DP FCC ID: 2AB7YVDLC52 IC: 20699-VDLC52
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## SPECIFICATIONS

### **Operational**

<b>Supply Voltage:</b>	<b>3.0VDC to 18VDC</b>
<b>Operating Temperature:</b>	<b>-40C to +85C</b>

### **Radio**

**2.4GHz:**

### **Communication Interface:**

**UART (2 wire: TX, RX)**

***Line interface options:*** Logic level, RS-232, or RS-485

***Data Format:*** 8 data bits, 1 stop bit, configurable parity bits

***Baud Rate:*** Configurable up to 115.2k

**SPI (4 wire logic level: SS, SCLK, MISO, MOSI)**

***Data Format:*** 8 data bits

***Data Rate:***