



VTK-62B + VTK-62B1-BK



VTK-62B + VTK-62B2-BK

## Main Features

- ♦ Smart UPS for in-vehicle application
- ♦ Big battery capacity 8600 mAh
- ♦ Lithium-ion rechargeable cell
- ♦ Real-Time battery status availability
- ♦ SDK for software development
- ♦ RS-232/SMBus for communication
- ♦ Power off delay time setting

## Product Overview

VTK-62B is an intelligent rechargeable battery kit to provide an uninterrupted power with a built-in battery management system. It is designed to use with NEXCOM vehicle/railway computers with enhanced charge/discharge efficiency. Through RS-232 and SMBus interface, VTK-62B can provide crucial information about the status of battery.

## Specifications

### Power Input

- ♦ 9~36VDC

### Power Output

- ♦ 12 VDC

### Battery Type

- ♦ Lithium-ion

### Capacity

- ♦ 8600mAh +/-5%

### Smart Battery Status Information

- ♦ Input voltage
- ♦ Battery capacity
- ♦ Battery temperature
- ♦ Discharge/charge/stop status
- ♦ Battery Failure
- ♦ The value of delay off timer

### I/O Interface

- ♦ 1 x 3-pin terminal block (optional M12 connector) for GND, V-In and Ignition
- ♦ 1 x 4-pin terminal block (optional M12 connector) for GND, V-Out and Ignition
- ♦ 1 x 10-pin connector
  - RS232 (TX/RX)
  - SMBus
  - 2 x DO
  - GND

- ♦ 4 x LED indicators
  - Back-up battery power output
  - Capacity alarm
  - Temperature alarm
  - Power in

### Dimensions

- ♦ VTK-62B + VTK-62B1-BK, 280 (W) x 150 (D) x 42.2 (H) mm
- ♦ VTK-62B + VTK-62B2-BK, 297.3 (W) x 175 (D) x 39 (H) mm

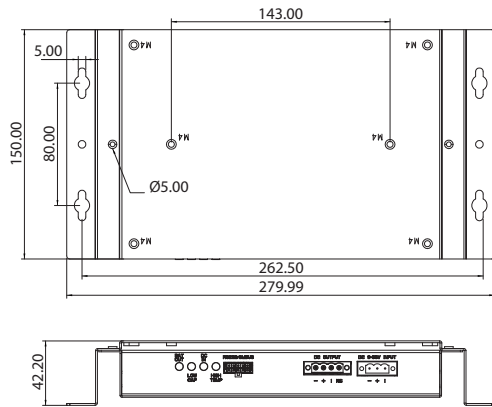
### Environment

- ♦ Operation temperature:
  - Charging: 0~45°C
  - Discharging: 0~55°C
- ♦ Vibration
  - 2G, 5~500Hz (in operation)
  - Operation: MIL-STD-810F, Method 514.5, Category 20, Ground Vehicle Highway Truck
  - Storage: MIL-STD-810F, Method 514.5, Category 24, Integrity test
- ♦ Shock
  - Operating: MIL-STD-810F, Method 516.5, Procedure I, Trucks and semi-trailers=20g
  - Crash Hazard: MIL-STD-810F, Method 516, Procedure V, Ground equipment=75g

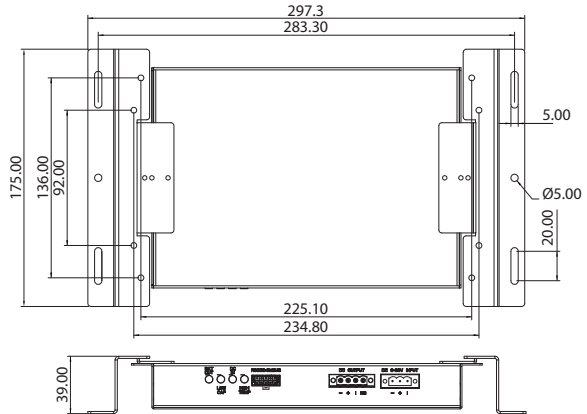
### Certification

- ♦ CE/FCC class A

## Dimension Drawing



VTK-62B + VTK-62B1-BK



VTK-62B + VTK-62B2-BK

## Ordering Information

- VTK-62B (PN: 10VK0062B00X0)**  
 Back up battery kit (w/o Bracket)
- VTK-62B1-BK (PN: 10VK0062B01X0)**  
 VTK-62B bracket kit, 150 x 280 x 42.2 mm for VTC 1020, VTC 1020-PA, VTC 1910, VTC 1911-IPK
- VTK-62B2-BK (PN: 10VK0062B02X0)**  
 VTK-62B bracket kit, 175 x 297.3 x 39 mm for VTC and MVS series (w/o VTC 1020, VTC 1020-PA, VTC 1910, VTC 1911-IPK)