VTK-62B

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
- 10.8VDC

Battery Type
- Lithium-ion

Capacity
- 8600mAh +/-5%

Smart Battery Status Information
- Input voltage
- Battery capacity
- Battery temperature
- Discharge/charge/stop status
- Bttery 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
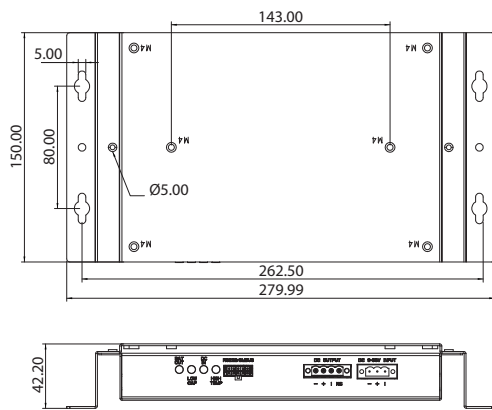- VTK-62B + VTK-62B2-BK, 297.3 (W) x 175 (D) x 39 (H) mm

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
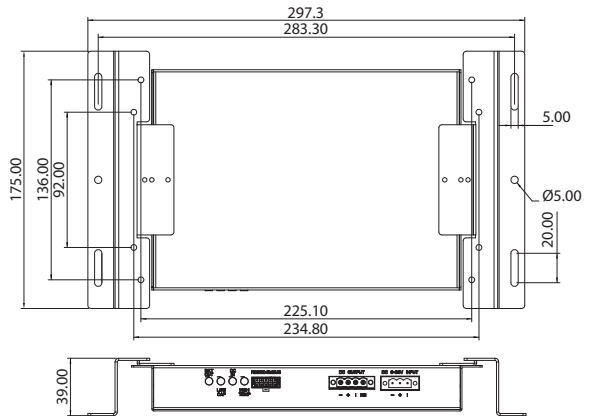 - Crash Hazard: MIL-STD-810F, Method 516, Procedure V, Ground equipment=75g

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)