

# VHDC-24V-50W and VHDC-24V-50W-LC

## DC/DC Converters

### Description

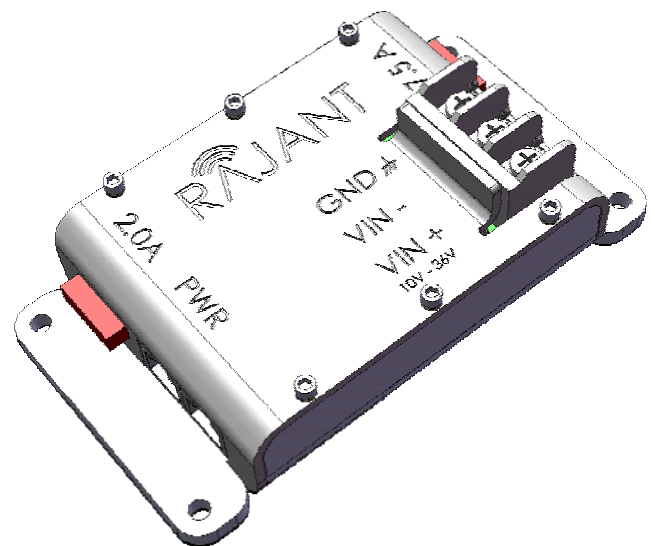
The Rajant VHDC-24V-50W and VHDC-24V-50W-LC are passive Power over Ethernet (PoE) compatible DC/DC converters designed for high reliability military and industrial applications. The VHDC-24V-50W model offers a dust-tight, waterproof enclosure making it ideal for outdoor installations. The VHDC-24V-50W-LC model is the low-cost, non-sealed version of the device aimed at indoor installations.

### Features and Benefits

- Designed for high reliability military and industrial applications — featuring ruggedized enclosures, over-temperature, over-voltage, over-current, and short-circuit protection.
- **VHDC-24V-50W only:** Designed to meet the IP67 (6: Dust-Tight, 7: Waterproof) ingress protection specifications making it ideal for outdoor applications.
- Manufacturer replaceable input and user replaceable output fuses on VHDC-24V-50W, and user replaceable input and output fuses on the VHDC-24V-50W-LC to protect the devices from over-current conditions.
- Wide 10 — 36 V input range. Useful in stabilizing the power from input sources such as vehicle batteries, which can exhibit varying characteristics due to the sharing of power with other systems, and battery charge and discharge states.
- High power 24 V, 50 W isolated and regulated output.
- High efficiency (83% typical).
- Fast response and tight regulation.



VHDC-24V-50W



VHDC-24V-50W-LC

