

LVD Panel with Return Isolation

80A Input, -48V, Front Access to Connections

Overview

Extending batteries beyond a critical level on the low end can cause damage to the batteries and require a longer recharge time. Telect's low-voltage disconnect panel prevents this problem.

This innovative panel provides a compact solution for power circuit protection. Coil-operated contactors (LVDs) disconnect the entire power system (line and return) from loads when the system voltage falls below a preset level.

Panels come with a factory-set disconnect voltage that corresponds to major network requirements. Separate disconnect and closure voltages prevent rapid cycling of the LVD when the voltage is precisely at one of the control values.

Applications

- Battery applications
- Base stations
- Remote sites
- Network environments that utilize batteries or power systems

Primary Benefits

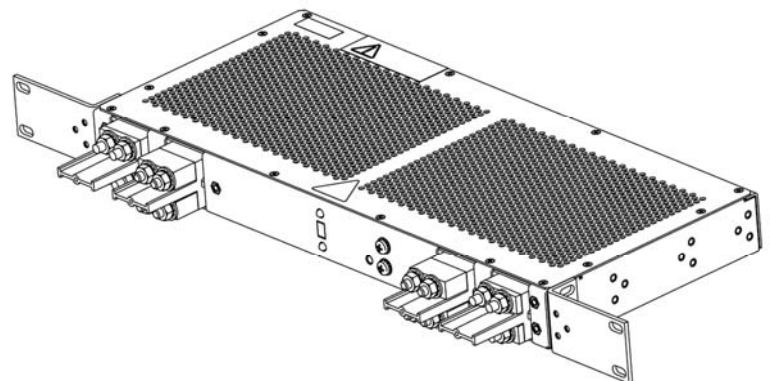
- Compact 1 RU footprint maximizes rack space
- Front access input LVD, output LVD and ground connections simplify usage
- DC Contactor LED status alarm provides clear identification
- Independent side 1 and side 2 operation for versatility
- Designed to ensure industry-standard safety and functional requirements
- Polycarbonate cover protects I/O terminals
- Supports European Union low-voltage directive (2006/95/EC)
- Output RTNs for side 1 and side 2 are diode-isolated from the input RTNs

Ordering Information

Description	Part Number
80A Dual auto LVD, -48V, front access isolation diode, return isolation	80LVD02



80LVD02
Front view (above)
Isometric view (right)



**See more power distribution solutions,
additional product documentation and
more online at Telect.com.**

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Specifications

Electrical

Nominal voltage	-48V
Input rating	80A
Max. input interrupt device	100A
Power dissipation (full load)	56W @ 80A
Disconnect setting	-39.0 VDC (±0.5)
Re-engage setting	-47 VDC (±0.5)

Mechanical

Dimensions	17" W x 1.75" H x 7" D (432 mm x 45 mm x 178 mm)
Weight	12 lbs. (5.4 kg)
Material	Steel
Finish	White, powder coat
Mounting	19" or 23"

Environmental

Temperature range	-5° to 55° C
Humidity	0 to 90%, non-condensing

Connections

Input terminals	2-hole compression lug, 1/4" studs on 5/8" centers
Output terminals	2-hole compression lug, 1/4" studs on 5/8" centers

Chassis ground Double #10 screw, 5/8" spacing

Compliance

Agency compliance UL recognized; NEBS Level 3 pending

