

LVD1U200 SERIES

LOW VOLTAGE DISCONNECT PANELS

200A@12V/24V/48V

DESCRIPTION

The UNIPOWER Telecom LVD1U200 Series are 200A rated Low Voltage Disconnect panels designed for maximum flexibility. They can be connected for either load or battery disconnect and configured and can be used for load shedding applications where non critical loads are switched off at an earlier point in the battery discharge cycle to conserve power to critical loads.

These 1RU high panels can be configured for 12, 24 or 48 volts operation with either positive or negative ground and are supplied complete with brackets that permit mounting in both 19-inch and 23-inch relay racks or cabinets. Multiple fixing positions enable mount from the front of the rack with offsets every quarter-inch from front to back to align with existing equipment.

An alarm condition is indicated by a red LED on the front panel as well as Form C relay contacts.

SAFETY STANDARDS

UL60950-1
 CSA22.2 No. 60950-1
 EN60950-1

TWO-YEAR WARRANTY



LVD1U200



LVD73/23/EEC

LV DISCONNECT PANELS	
MODEL	CONFIGURATION
LVD1U200-B1	+/-48V, 200A
LVD1U200-B3	+/-24V, 200A
LVD1U200-B5	+/-12V, 200A

FEATURES

- ◆ One Mounting Position High: 1.75"
- ◆ 19- or 23-Inch Rack Mounting
- ◆ Current Capacity: 200A
- ◆ Operating Voltage: 12, 24 or 48VDC
- ◆ Positive or Negative Ground
- ◆ Red LED Alarm
- ◆ Form C Relay Contacts
- ◆ LVD in Series with Battery or Load
- ◆ Rack Offset Every 1/4", Front to Back

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SPECIFICATIONS, LVD1U200 SERIES

INPUT / OUTPUT

LVD Capacity ³	200A
Configuration	Single
Voltage, ¹ 48V Version	42-59 VDC
24V Version	21-29 VDC
12V Version	10.5-14.5 VDC
Polarity ¹	Positive or Negative Ground
LVD Connection	In Series with Battery or Load
LVD Disconnect Voltage ² 48V Version	42.5 VDC
24V Version	21.25 VDC
12V Version	10.6 VDC
LVD Reconnect Voltage ² 48V Version	49.0 VDC
24V Version	24.5 VDC
12V Version	12.25 VDC

ALARMS

Alarm Indicator	Red LED
LED Status Indication	Red = LVD Contactor Open
.....	Off = Normal
Alarm Connections	Form C Relay Contacts
SAFETY STANDARDS	UL60950-1, CSA22.2 No. 60950-1, EN60950-1

ENVIRONMENTAL

Operating Temp. Range	-10°C to +50°C
Storage Temp. Range	-40°C to + 85°C
Humidity	0% to 95%, Non-Condensing

PHYSICAL SPECIFICATIONS

Case Material	Steel
Finish	Powder Coat Gray
Dimensions, Inches (mm)	1.75 H x 19.00 W x 9.00 D (44.5 x 483 x 229)
Weight	9.5 lbs. (4.16 kg.)
Rack Mounting Width	19 or 23 Inches

CONNECTIONS

Input, Output, Battery	Crimp Type Lug or ¼ - 20 Studs
Chassis Ground Connection	No. 8-32 Stud
Alarm Connections045" sq. Wirewrap Pins

NOTES:

1. See Model Table.
2. These voltages are adjustable at factory.
3. Capacity=200A with minimum of 1" air space above and below the shelf. Capacity=150A with top and bottom air openings blocked.



Note: If section A is not specified, a blank panel is installed. Crimp type lugs should be ordered separately. For a kit of 4 two-hole lugs for no. 6 AWG wire, order no. 775-1434-0000, \$20.00.

ALL DIMENSIONS IN INCHES (mm).
All specifications subject to change without notice.

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