



## Low Voltage Protection

### LVD 12 & 24

Low Voltage Disconnect  
for all loads.

The LVD (Low Voltage Disconnect) is a battery voltage monitor and protection device available for 12VDC and 24VDC systems. The LVD controllers from Power Planted LLC™ are the perfect way to protect your battery investment from a destructive over-discharge condition. The LVD will constantly monitor your battery and disconnect the attached load(s) if voltage drops below an unsafe level. The LVD 12 will directly switch up to a 40 Amp load and the LVD 24 will directly switch up to a 20 Amp load. Both the LVD 12 and LVD 24 versions can easily be configured to switch much higher current loads with the addition of relays (sold separately). The LVD controllers also have a handy low voltage signal output. The low voltage signal output can be used to switch on a light or a buzzer to notify you of the low voltage condition or could switch on a battery charger so that the batteries do not sit discharged for extended periods if unattended (light, buzzer, and battery charger not included). The LVD controllers are

epoxy encapsulated and ready for marine or tropical environments.

#### Key Features:

Low voltage protection for batteries

Low Voltage Signal output

Weatherproof epoxy encapsulated electronics

High switching capacity, motor ready



# LVD12 & 24

## Low Voltage Disconnect

### Specifications

#### Electrical

Nominal system voltage	12 Volts (12) / 24 Volts (24)
Maximum switching current	40 Amps (12) / 20 Amps (24)
Minimum battery voltage	7 Volts
Maximum battery voltage	15 Volts (12) / 30 Volts (24)
Quiescent current	2 mA

#### Low voltage protection (adjustable)

Disconnect	10.5 Volts (12) / 21 Volts (24)
Reconnect	11 Volts (12) / 22 Volts (24)

#### Environmental

Operating temperature	-22F to 140F (-30C to 60C)
Operating humidity	100% (marine/tropical environment ready)

#### Mechanical Data

Size inches (mm)	3.0 x 2.0 x 1.5 (76.2 x 50.8 x 38.1)
Weight	4.8 oz (136 grams)

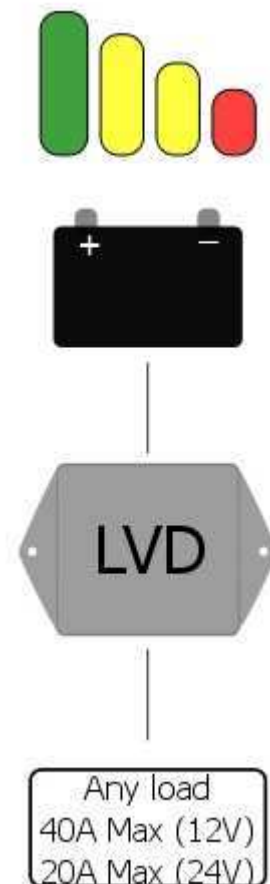
#### Manufacturing

(RoHS) Restriction of Hazardous Substances Compliant  
Lead Free  
Made in the USA

#### Warranty

Two years- operating

Authorized Power Planted LLC distributor:



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