

Deep discharge battery protection device, control unit

Type: BPZ, Mareton

1. Purpose

The device is connected to the measured battery and to the external power element to interrupt the current of the battery which it controls.

The device measures the battery voltage.

If, due to discharge, the battery voltage drops below the set alarm level warning, a low battery warning alarm will sound.

If the battery voltage falls below the allowed level of deep discharge, the device will send a control signal to the external power member connected in between batteries and consumables and which will disconnect the consumables from the battery.

When the battery charger is working and the battery voltage rises above the set limit, manually turn on the battery-powered consumer or the device will turn on the battery-powered consumer.

The method of switching on the consumer according to the user's request.

2. Technical data

- Battery voltage: 12 V, 24 V, 48 V, 110 V or 220 V
- Battery capacities: 10 Ah to 2,000 Ah
- Operating current: up to 400 A
- Effective member of the device: electromagnetic member (relay, contactor, switch) semiconductor element (MOSFET, IGBT)
- Warning alarm voltage: 1.85 to 1.95 V per cell, adjustable
- Cut-off voltage: 1.65 to 1.85 V per cell, adjustable
- Reset voltage: 1.9 to 2.1 V per cell, adjustable
- Signaling: local, light on the device
remote, potential-free contacts
- Construction: housing for DIN rail
- Ambient temperature (operation): - 20 °C to + 55 °C



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MARETON
POWER ELECTRONICS
ZAGREB-CROATIA

**DEEP DISCHARGE BATTERY
PROTECTION DEVICE**
Type: BPZ

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