

WBL Whisper Power Battery Link

Recreational marine • Recreational vehicles • Commercial trucks • Industrial systems



Datasheet

The battery bank combiner relay for charge two batteries simultaneously.



Whisper Power Microprocessor Controlled Battery Link

WBL-120

The WBL-120 Whisper Battery Link is a relay that connects automatically two battery banks when the voltage rises above a pre-set charge value for at least 5 seconds, allowing these battery banks to be charged simultaneously. To protect the battery when the voltage drops, the battery banks will be isolated again.

- Simultaneously charging of two batteries
- Intelligent battery monitor function
- Safe battery connect algorithm
- Additional power boost by start assist function
- Easy to install, no adjustment necessary
- Compact and robust



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Parameter Art. Nr.	WBL-120 60110120
Technical specifications	
Weight	125 gram
Dimensions (l x b x h)	46 x 80 x 46 mm
Continuous rating	120 A
Cranking rating (10 sec) / inrush rating	180 A
Automatic mode	
Input voltage	9-35 VDC
Operation temperature	-40 to 65 °C
Maximum voltage drop	0.5 VDC (delay time before disconnect: approx. 10 sec.)
Maximum allowed voltage difference	8.0 VDC
Switch on voltage (minimum)	> 13 V @ 12 V / > 26 V @ 24 V
Switch on delay time	5 sec.
Switch on voltage (maximum)	15.0 V @ 12 V / 30.0 V @ 24 V
Automatic drop off voltage	< 12,75 V @ 12 V / < 25,5 V @ 24 V
DC drain	
OFF mode (solenoid not activated)	1.0 mA @ 12 V / 1.1 mA @ 24 V
ON mode (inrush current)	0,5 A @ 12 V / 40 mA @ 24 V
ON mode (solenoid is activated)	50 mA @ 12 V / 40 mA @ 24 V
Status led	
On	Solenoid is activated (ON mode)
Slow blinking (0.5 Hz)	Delay time before solenoid will switch on
Fast blinking (2.5 Hz)	Alarm: Solenoid is not activated as voltage difference is either too high (> 8.0 VDC) in OFF mode or voltage drop was too high (> 0.5 VDC) during ON mode

Features:

- **Automatic battery relay wich connects 2 batterybanks.**
- **Simultaneously charging.**
- **Automatic isolation at drop off voltage.**
- **Remote controle switches (option)**
- **Switch batterybanks in parallel for emergency start.**
- **Led indicator**

The WBL-120 Whisper Battery Link is a relay that connects automatically two battery banks when the voltage rises above a pre-set charge value for at least 5 seconds, allowing these battery banks to be charged simultaneously. To protect the battery when the voltage drops, the battery banks will be isolated again.

This self thinking smart relay operated independence and no optional remote is required. For an power boost for additional starting power is an start assist contact available. In this mode a single push of a button connects the extra bank to the main battery bank for assistance of the main bank by the extra bank. The connection will be disconnected after 30 seconds.

The Whisper battery link gives accurate information about the connection link of the batteries. An unlit LED indicates an open relay. When one of the batteries is being charged the LED will start to flash slowly to indicate it is counting to 30 seconds before closing the relay. When closed, the LED will be lit continuously.

