

Battery Testing and Charging System

BTL Powersingle 16 A (30600)

BTL Powersingle 25 A (30599)

BTL Powersingle 16 A with Temperature Monitoring System (30860)

BTL Powersingle 25 A with Temperature Monitoring System (30861)



Product Characteristics

- Using the battery testing and charging system, your batteries are always ready to go and it is also possible to charge auxiliary equipment like torches or radios, for example.
- The battery testing and charging system detects automatically whether a battery system or a 12- or 24-volt vehicle battery is connected and adapts the charging voltage automatically.
- The battery testing and charging system runs with a four-wire system. This means that you can connect any vehicle (12 V / 24 V) at any parking space.
- Charging cables of up to 50 m ($4 \times 2.5 \text{ mm}^2$) per unit are possible.
- The fully automatic processor-controlled battery testing and charging system is particularly suitable for long-term charging.
- On detecting defective batteries and power failures, the battery testing and charging system issues an alarm.
- The gentle charging process ensures a long service life for the battery.
- Display of operating and error messages.
- No sparking on connection. Depending on the battery's measuring result, the system continuously pulses a charging current of 0 A to a maximum of 16 A (Powersingle 16 A) and 25 A (Powersingle 25 A).
- You can connect any type of external monitoring equipment or alarms to the potential-free alarm output. This means that

the battery testing and charging system plays its part in securing parking spaces.

- You can integrate the battery testing and charging system with Industrieelektronik Pözl GmbH's space monitoring system or connect it to an existing phone alarm system.
- You can enhance the battery testing and charging system with an Industrieelektronik Pözl GmbH temperature monitoring system. The system shows the temperature on the display and adapts the charging behaviour to the temperature response.

Intended Use

The battery testing and charging system is intended exclusively for gentle, pulsed charging and trickle charging rechargeable lead-acid batteries with a minimum capacity of 32 Ah.

The Powersingle (25 A) battery testing and charging system is intended exclusively for installation in vehicles.

For all lead-acid batteries (lead-acid accumulators) with a rated voltage of 12 V or 24 V that are used in vehicles.

Technical Data

Power supply	230 V / +10 % / -15 %
Mains frequency	50 Hz
Power consumption of BTL Powersingle 16 A	450 W max.
Power consumption of BTL Powersingle 25 A	700 W max.
Rated output voltage for charging and trickle charging the Powersingle 16 A	30 V / 16 A max.
Rated output voltage for charging and trickle charging the Powersingle 25 A	30 V / 25 A max.
Mains fuse	2.5 A slow-blow
Minimum battery capacity	32 Ah
Ambient temperature	-20 °C / +50 °C
Dimensions (W x H x D)	270 x 100 x 130 mm
Weight	2.5 kg approx.
Length of charging cables for Powersingle 16 A	4 x 2.5 mm ² (50 m max.)
Length of charging cables for Powersingle 25 A	2 x 6 mm ² (4 m max.)
Protection class of Powersingle 16 A	Protection class I (according to DIN EN 61558)
Protection class of Powersingle 25 A	Protection class II
Degree of protection	IP 32
Potential-free alarm output	10 A / 230 V max.
Item number of Powersingle 16 A	30600
Item number of Powersingle 25 A	30599
Item number of Powersingle 16 A with temperature monitoring system	30860
Item number of Powersingle 25 A with temperature monitoring system	30861

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