Technical Data PIKO 6.0 BA / 8.0 BA / 10 BA

Technical Data PIKO Battery Li

Technical Data PIKO Battery Pb

Battery

- Batteries technology: POSIPULSE 12V/200/240 (Lithium-ion based power pack)
- Battery technology: Maintenance free, cycle optimised lead gel battery
- Number of cycles: 50% DoD
- Max. capacity: 200Ah
- Number of battery modules: 3
- Battery manufacturer: HOPPECKE
- Battery type: Maintenance-free, cycle-optimised lead-gel battery
- Battery technology: Maintenance-free battery technology
- Required battery modules: 3
- Complete storage solution from one supplier
- Modular structure for easy installation
- Low floor space requirement
- High energy yields and long service life
- Lightweight and expandable within the first 18 months (modular concept)
- Various performance categories
- Powerful, efficient and with a long life cycle up to 20 years
- Meets the highest requirements for solar power applications
- Awarded with the ISE AWARD 2015 for the advanced memory technology
- 3-level electronic protection against overcharging
- Integrated battery management systems
- Communication interface with PIKO BA
- Identification of the battery status

Battery Management

- Calculation of the battery status
- Charging status (SoC = State of Charge)
- Communication interface with PIKO BA
- Modular frame system consisting of 5 basic units
- Total height: 2100 mm
- Depth: 500 mm
- Weight: ca. 850 kg

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Battery
Technical Data PIKO BA Backup Unit

- Secure supply in case of power failure
- VDE-tested replacement power function
- Automatic switching to replacement power mode after approx. 30 sec.
- 3-phase power supply with real three-phase AC
- Suitable for consumers up to 2,200 W with PIKO Battery Pb (depending on the number of the battery modules)
- Up to 18 hours of operation (with consumption of 500 W and fully-charged battery)

Backup Unit

- Backup connection 3+N/PE, 400 V
- AC connection 3+N/PE, 400 V
- Consumer connection 3+N/PE, 400 V
- Control line 2, 230 V
- Max. load A 63
- Potential equalisation 1
- Internal protection according to IEC 60529 IP 45
- Protection class according to IEC 62103 II
- Degree of contamination 3
- Environmental category (interior installation) H

Technical Data PIKO BA Sensor

- Registration of building consumption with analogue current measurement
- Easy installation due to assembly on top-hat rail according to DIN EN 60715

Sensor

- Rated current, primary (Peak/RMS) A 50/35
- Rated current, secondary A 1
- Accuracy class 1
- Connected power kW 14
- Height mm 90
- Width mm 105
- Depth mm 54
- Max. line diameter mm 13.5

- UV resistance ✓
- Height mm 900
- Width mm 365
- Depth mm 135
- Weight kg 11.4
- Ambient temperature °C -5...35
- Relative humidity (condensing) % 6...95

- Connection technology: spring-loaded terminal strip

- The PIKO BA Backup Unit can be combined with the PIKO Battery Pb or the PIKO Battery Li from 5 battery modules.

- The measurement of building consumption takes place during operation of the PIKO inverter.

This manual is subject to technical changes and printing errors. You can find current information at www.kostal-solar-electric.com.

Manufacturer: KOSTAL Industrie Elektrik GmbH, Hagen, Deutschland

KOSTAL Solar Electric GmbH
Hartfelder-Str. 6
79108 Freiburg i. Br.
Germany
Tel. +49 761 477 44 - 100
Fax +49 761 477 44 - 111
www.kostal-solar-electric.com