# DATA SHEET

## battery fuse protection
## with magnetic-hydraulic circuit breakers

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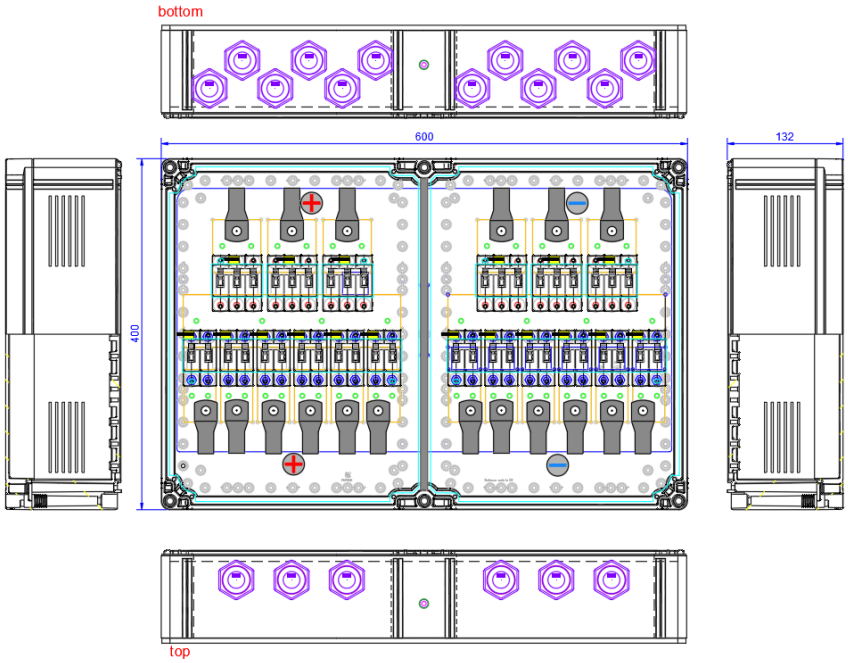
|---|---|
| enwitec-Article-No. | 10015452 |
| Customer-Article-No. | |
| Designation | Bat Breaker-BYD_LVLPR-6xAcc-3xCharg_KS_exsf |
| Application | Battery fuse "Bat Breaker" for the energy storage system BYD „Battery-Box Premium LVL“ |
| Number and type of battery charger/inverter: | Max. 3x Sunny Island |
| Number and type of energy storage: | Max. 6x BYD Battery-Box Premium LVL |
| General note: | - If the battery protection is used for other systems, the suitability of the circuit breaker used (nominal value, tripping characteristic) is not guaranteed!<br>In this case, consult the system manufacturer and/or the manufacturer of the battery charger/inverter.<br>- Cable lugs are not included |

Min. Distances:

Up and down min. :
300 mm
Left and right min .:
200 mm
To Front min.:
800 mm

Cable clamping:
Must be done on site!




| Scope of delivery | | | |
|---|---|---|---|
| designation | Article-No. | Piece | Comment |
| General installation manual | 10015558 | 1 | |
| Pflitsch cable gland M32x1.5 | 10011807 | 18 | |
| Locknut M32x1.5 | 10000724 | 18 | |
| Twisting Sleeve M32x1.5 | 10008835 | 4 | |
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The text and illustrations correspond to the technical state at the time of printing, changes are reserved. All information is despite careful processing without guarantee. Liability is excluded.

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• applicable / - not applicable

## TECHNICAL SPECIFICATIONS

| | | | |
|---|---|---|---|
| Rated voltage | [VDC] | 60 | |
| Rated current/peak current | [A] | Compatible with BYD Battery-Box Premium LVL | |
| Rated current circuit breaker for charger | [A] | 250 A per potential | |
| Tripping characteristic circuit breaker for charger | | „DC long delay“ | |
| Rated current circuit breaker for battery | [A] | 250 A per Potential | |
| Tripping characteristic circuit breaker for battery | | „DC long delay“ | |
| Switchable max. short circuit current | [kA] | 10 | |
| **Connection of the batteries (outlet at the bottom)** | | | |
| Number of possible batteries (parallel) | | 6 | |
| Cable entries | | | |
| Cable glands (EN 62444) | | M32 | |
| Clamping range (from-to) | [Ømm] | 15 – 25 | |
| Connectors | | | |
| Conductor Material | | Cu | |
| Cable length maximum | [m] | Observe the manufacturer's instructions | |
| "+" Potential / "-" Potential | | +PLUS | -MINUS |
| Screws for cable lugs | | M10 | M10 |
| Type of cable lug/max. conductor cross section | [mm²] | Narrow tube cable lug/ 95 mm² | |
| Feeder terminals | [mm²] | - | - |
| Stripping length | [mm] | - | - |
| Torque | [Nm] | 23 - 28 | |
| **Connection of the battery chargers/inverters (outlet at the top)** | | | |
| Number of battery chargers/Inverters | | 3 | |
| Cable entries | | | |
| Cable gland (EN 62444) | | M32 | |
| Clamping range (from-to) | [Ømm] | 15 – 25 | |
| Connectors | | | |
| Conductor material | | Cu | |
| Cable length maximum | [m] | Observe the manufacturer's instructions | |
| "+" Potential / "-" Potential | | +PLUS | -MINUS |
| Screws for cable lugs | | M10 | M10 |
| Type of cable lug/max. conductor cross section | [mm²] | Narrow tube cable lug/ 95 mm² | |
| Feeder terminals | [mm²] | - | - |
| Stripping length | [mm] | - | - |
| Torque | [Nm] | 23 - 28 | |

| **General informations** | | |
|---|---|---|
| Number of cabinets for 1 unit | | 1 |
| Dimensions (WxHxD) (without cable glands) | [mm] | 600x400x132 |
| Weight | [kg] | Approx. 14,5 |
| Operating temperature range | [°C] | 0..+45 |
| Temperature - Transport/Storage | [°C] | -25..+55 (24 hours 70°C) |
| Humidity - condensing allowed | • / - | - |
| Humidity - permissible range | [%] | 85 |
| Max. Installation altitude above N.N. | [M] | 2000 |
| Protection class IP | (EN 60529) | 31 |
| Outdoor suitability (protected area) | •/- | - |
| Special notes: -only indoor -protected against vertically dripping water | | |
| Protection class | (EN 61140) | II |
| Cabinet material | | Polycarbonate |
| RoHS-conformity | (2011/65/EU) | • |
| Cabinet color | | Lower part similar to RAL7035 |
| Cover | | Transparent |
| Mounting | | Wall mounting |
| Locking system | | Screw lock |
| **Miscellaneous** | | |
| Customs number | | 85371098 |

| **Spare Parts** | Article-No. |
|---|---|
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