DATA SHEET

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Art.Nr. 10015451

Battery protection | BAT BREAKER-BYD_LVLPR_3xAcc_3xCharg_KS_exsf

Designation	Bat Breaker-BYD_LVLPR_3xAcc_3xCharg_KS_exsf
Application	Battery protection „BAT BREAKER“ for the BYD „Battery-Box Premium LVL“ energy storage system
Number of battery chargers / inverters	Max. 3 x Sunny Island
Number of energy storages	Max. 3 x BYD Battery-Box Premium LVL
General information	▪ The suitability of the circuit-breakers used (nominal value, tripping characteristic) is not guaranteed if the battery protection is used for other systems. In this case, contact the system manufacturer and/or the battery charger/inverter manufacturer. ▪ Cable lugs not included in the scope of delivery

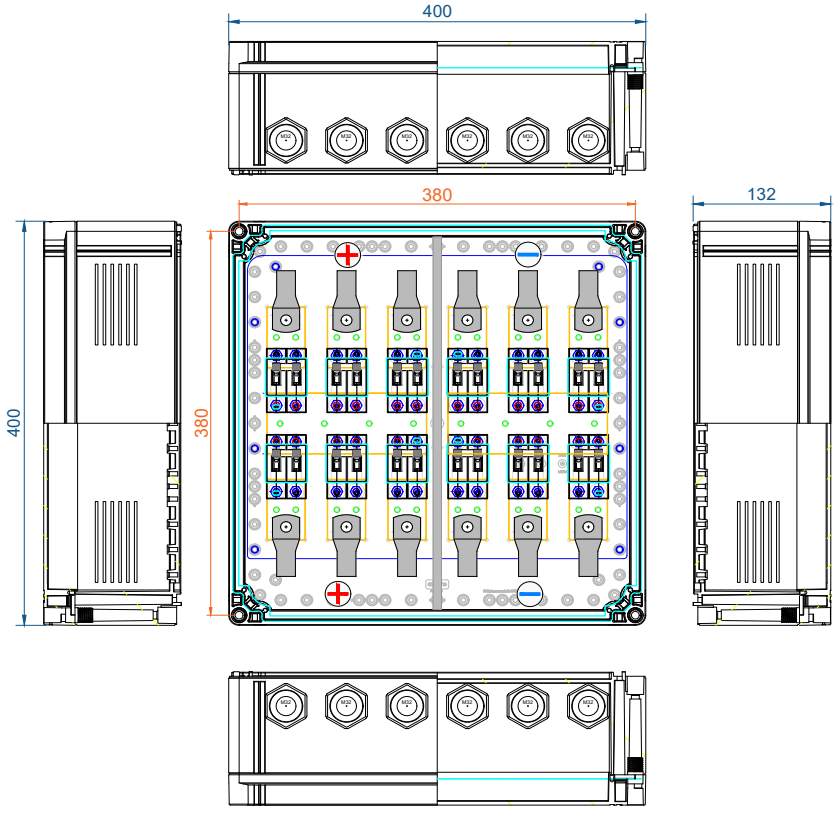
All values in [mm]
Dimensions „blue“
Fastening points „orange“

Inner construction as well as choice of components may differ within the variants!

Minimum Distances

top	300
bottom	300
lateral	200
front	800

Cable support must be provided on site!



SCOPE OF DELIVERY

Quantity	Designation	Quantity	Designation
1	General installation instructions	12	Cable gland M32 incl. lock nut
1	Wall mounting brackets - kit	2	Membrane insertion EMT 32

The text and illustrations correspond to the technical status at the time of printing, subject to change without notice. Despite careful editing, all information is without guarantee. Liability is excluded. ©enwitec electronic GmbH

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TECHNICAL DATA

• applicable / - not applicable

NOMINAL VALUES		
Rated voltage	[VDC]	60
Rated current / Peak output current	[A]	Kompatibel zu BYD Battery-Box PREMIUM LVL
Maximum switchable short-circuit current	[kA]	10
Charger		
Rated current circuit breaker	[A]	250 per potenzial
Circuit breaker tripping characteristics		„DC Long Delay“
Battery		
Rated current circuit breaker	[A]	250 per potenzial
Circuit breaker tripping characteristics		„DC Long Delay“

CONNECTION ENERGY STORAGE		
Number of possible batteries (parallel)		3
Cable entry		
Cable glands (EN 62444)		M32
Clamping range (from - to)	[Ømm]	15 - 25
Max. cable length		see manufacturer‘s instructions
Connections		
Connection type		narrow cable lug M10
Max. wire cross-section (Cu)	[mm²]	95
Wire Material		Copper
Tightening torque	[Nm]	23 - 28

CONNECTION CHARGER		
Number of possible chargers / inverters		3
Cable entry		
Cable glands (EN 62444)		M32
Clamping range (from - to)	[Ømm]	15 - 25
Max. cable length		see manufacturer‘s instructions
Connections		
Connection type		Englaschenrohrkabelschuh M10
Max. wire cross-section (Cu)	[mm²]	95
Wire Material		Copper
Tightening torque	[Nm]	23 - 28

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TECHNICAL DATA

• applicable / - not applicable

GENERAL DATA		
Dimensions WxHxD (without cable glands)	[mm]	400 x 400 x 132
Weight, approx.	[kg]	10
Operating temperature range	[°C]	0...+45
Temperature - transport/storageg (24h 70°C)	[°C]	-25...+55
Humidity - condensing allowed	•/-	-
Humidity - permitted range	[%]	5...85
Max. altitude above sea level	[m]	2000
Protection class IP (EN 60529)		31
Outdoor suitability (protected area)	•/-	-
Protection against electric shock (EN 61140)		II
Case material		Polycarbonat
RoHS-conformity (2011/65/EU)	•/-	•
Case colour		similar RAL 7035
Cover		transparent
Mounting method		wall mounting
Locking system		screw cover

MISCELLANEOUS		
Customs tariff number		85371098

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EC DECLARATION OF CONFORMITY

The product,	designation:	BAT BREAKER-BYD_LVLPR_3xAcc_3xCharg_KS_exsf
	article number	**10015451**
	manufacturer:	**enwitec electronic GmbH** **Scherrwies 2** **84329 Rogglfing**
	description:	**Battery protection for PV energy storage systems**

to which this declaration relates, is in conformity to the following standards or normative documents:

EN 61439-1	**Low-voltage switchgear and controlgear assemblies**
EN 61439-2	**Energie-Schaltgerätekombinationen**
VDE-AR-E 2510-2	**Stationary electrical energy storage systems**

and is in accordance with the provisions of the following EC-directives:

Low-voltage directive 2014/35/EU

Restriction of Hazardous Substances Directive 2011/65/EU (RoHS)

Year of affixing CE-marking: **2020**

Date of issue: **2020-09-03**

enwitec electronic GmbH



Name / Signature

Johann Wimmer
CEO

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