DATA SHEET
battery fuse protection

enwitec electronic

enwitec-Article-No.	10015451
Customer-Article-No.	
Matchcode	Bat Breaker-BYD_LVLPR_3xAcc_3xCharg_KS_exsf
Application	Battery fuse "BAT BREAKER" for the PV energy storage system with battery charger / inverter
Number and type of battery charger / inverter: Number and type of energy storage: General note:	Max. 3 Sunny Island Max 3x BYD B-Box Premium LVL If a different battery charger / inverter is to be used, the suitability of the circuit breaker used (nominal value, tripping characteristic) must be checked by BYD Cable lugs are not included

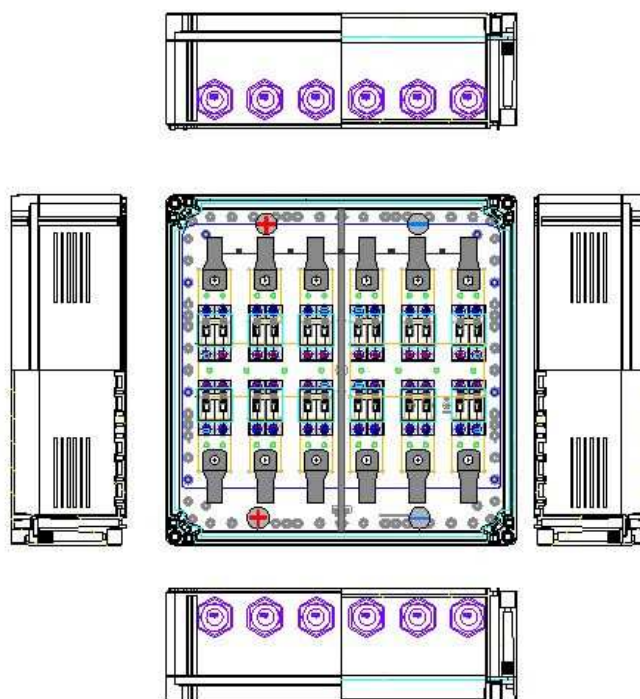Min. Distances:

Up and down min. :
300 mm
Left and right min .:
200 mm
After Front min.:
800 mm
Cable clamping:
Must be done on site!

Delivery			
Designation	Article-No.	piece	comments
Pflitsch cable gland M32x1,5	10011807	12	
Locknut M32x1,5	10000724	12	
Twisting Sleeve M32 x 1.5	10008835	2	

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TECHNICAL SPECIFICATIONS

Rated voltage	[VDC]	60
Rated current	[A]	compatible with BYD Energy Storage System
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 Akk	[A]	250 A pro Potenzial
Release characteristic circuit breaker for battery		DC – „long delay"
Switchable max. Short circuit current	[kA]	10

Connection of the batteries (outgoing to the bottom)

Number of possible batteries (parallel)		3	
Cable entries			
Cable Glands (EN 62444)		M32	
Clamming area (from-to)	[Ømm]	15 – 25	
Connectors			
Conductor Material		Cu	
"+" Potential / "-" Potential		+PLUS	-MINUS
Screws for cable lugs		3xM10	3xM10
Type of cable lug		narrow tube cable lug	
Torque	[Nm]	23 – 28	
max. conductor cross section	[mm²]	95	
Cable length maximum	[m]	3m (on demand)	
Feeder terminals	[mm²]	-	-
Stripping length	[mm]	-	-
Conductor crossection	[mm²]	-	-
Conductor length max.	[m]	-	-
Torque	[Nm]	-	-

Output (to the loader outlet down)

Number of Battery Charger/Inverter		3 Sunny Island	
Cable entries			
Cable Gland (EN 50262)		M32	
Clamping area (from-to)	[Ømm]	15 – 25	
Connectors			
Conductor material		Cu	
"+" Potential / "-" Potential		+PLUS	-MINUS
Screws for cable lugs		3xM10	3xM10
Type of cable lug		narrow tube cable lug	
Torque	[Nm]	23 – 28	
max. conductor cross section	[mm²]	95	
Cable length maximum	[m]	3m (On demand)	
Feeder terminals	[mm²]	-	-
Stripping length	[mm]	-	-
Conductor crossection	[mm²]	-	-
Conductor length max.	[m]	-	-
Torque	[Nm]	-	-

General informations

Number of housings for 1 unit		1
Dimensions (WxHxD)	[mm]	400x400x132 (without cable glands)
Weight	[kg]	approx. 12.5
Operating temperature range	[°C]	0..+45
Temperature - Transportation / 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	•/-	-
Type of installation		protected against vertically dripping water
Protected area: no direct sunlight, but the climatic effects on the installed equipment must be taken into account!		
Protection class	(EN 61140)	II
housing material		Polycarbonate
RoHS- conformity	(2011/65/EU)	•
housing color		lower part similar to RAL7035
cover		transparent
Mounting		wall mounting
Lock Type		screw lock

Miscellaneous

Customs number	85371098

spare Parts	Article-No.

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