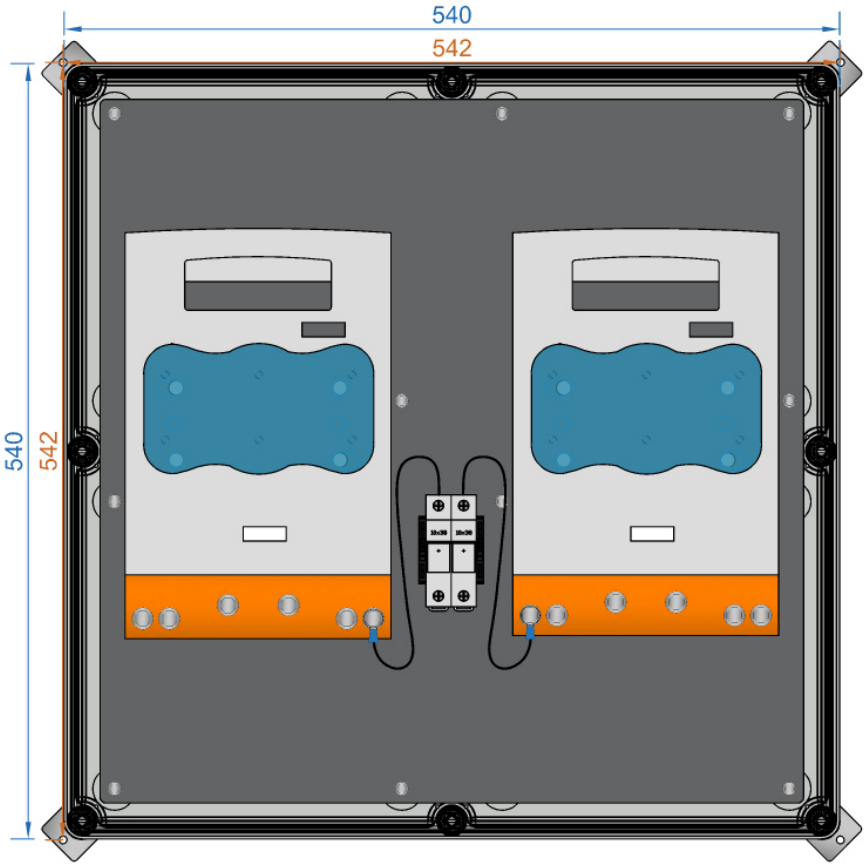
DATA SHEET

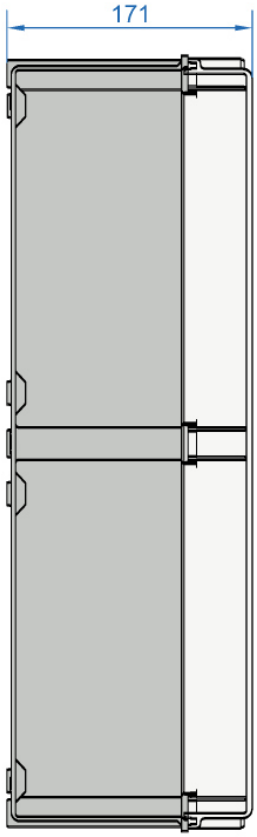
Battery protection with NH01 fuse inserts

enwitec BAT FUSE B-03 W

Art.No. 10015463

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





Minimum distances

top	300
bottom	300
lateral	100
front	1,200

SCOPE OF DELIVERY

Designation	Article-No.	Quantity	Comment
Installation instruction	10012071	1	
Wall mounting brackets	10011921	4	
Cable gland M32x1,5 (Ø 14-21mm)	10000739	12	
Cable gland M25x1,5 (Ø 9-16 mm)	10000738	10	
Double-membrane seal M32	10009190	12	
Double-membrane seal M25	10005760	10	
Locknut M32	10000724	12	
Locknut M25	10000723	10	
DC-fuse 10x38mm - 8A	10013494	2	

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Status August 2021

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TECHNICAL DATA

• applicable / - not applicable

NOMINAL VALUES		
Rated voltage	[VDC]	12/24/48
Rated insulation voltage	[VDC]	800
Rated current of the circuit breaker depending on fuse insert	[A]	80...250
Rated voltage of the voltage tap	[VDC]	12/24/48
Rated current of the voltage tap	[A]	8

FUSE		
Type		NH01
Permitted fuse inserts	[A]	80...250
Classification of the holder		Fuse switch disconnector
Amount		6

CONNECTION BATTERY		
Max. number of battery strings		3
Cable entry		
Cable glands (EN 62444)		M32
Clamping range (from - to)	[Ømm]	14 - 21
Connections		
Connection type		Screw connection M10
Max. width of the cable lug	[mm]	25
Max. wire cross-section (Cu)	[mm²]	95
Conductor material		Copper
Tightening torque	[Nm]	16 - 20

CONNECTION SUNNY ISLAND CHARGER		
Max. number of chargers		4
Cable entry		
Cable glands (EN 62444)		M25
Clamping range (from - to)	[Ømm]	9 - 16
Connections		
Connection type		Screw connection M8
Max. width of the cable lug	[mm]	16
Max. wire cross-section (Cu)	[mm²]	16
Conductor material		Copper
Tightening torque	[Nm]	16 - 20

CONNECTION SUNNY ISLAND INVERTER		
Max. number of inverters		3
Cable entry		
Cable glands (EN 62444)		M32
Clamping range (from - to)	[Ømm]	14 - 21
Connections		
Connection type		Screw connection M10
Max. width of the cable lug	[mm]	25
Max. wire cross-section (Cu)	[mm²]	95
Conductor material		Copper
Tightening torque	[Nm]	24 - 28

CONNECTION BATTERY VOLTAGE TAP		
Max. number of consumer circuits		1
Cable entry		
Cable glands (EN 62444)		M25
Clamping range (from - to)	[Ømm]	9 - 16
Connections		
Connection type		Screw terminal
Max. wire cross-section (Cu)	[mm²]	4
Conductor material		Copper
Tightening torque	[Nm]	2
Capsule fuse 10x38mm DC	[A]	2 x 8

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Art.No. 10015463

TECHNICAL DATA

• applicable / - not applicable

GENERAL DATA		
Dimensions WxHxD (without cable glands)	[mm]	540x540x171
Weight	[kg]	approx. 16
Operating temperature range	[°C]	-20...+60
Temperature - Transport/Storage (24 hours 70°C)	[°C]	-25...+40
Humidity - condensing allowed	•/-	-
Humidity - permissible range	[%]	5...95
Max. installation height above sea level	[m]	2000
Ingress protection IP (EN 60529)		65
Outdoor suitability (protected area)	•/-	-
Protection class (EN 61140)		II
Case material		GFRP-Polyester
RoHS-compliant (2011/65/EU)	•/-	•
Case colour		similar RAL7035
Mounting method		Wall mounting
Lock type		Screw cover, clear

STANDARDS	
Switching devices	EN 61439-1 EN 61439-2

MISCELLANEOUS	
Customs tariff number	85371098

SPARE PARTS	
DC-fuse 10x38mm - 8A	10013494

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EC DECLARATION OF CONFORMITY

The product,	designation:	enwitec BAT FUSE B-03 W
	article number	**10015463**
	manufacturer:	**enwitec electronic GmbH & Co. KG** **Scherrwies 2** **84329 Rogglfing - Germany**
	description:	**Battery protection**

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	**Power switchgear and controlgear assemblies**
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: **2016**

Date of issue: **21.10.2016**

enwitec electronic GmbH & Co. KG

Name / Signature

Johann Wimmer
CEO

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