

DATA SHEET

ITEM NO. 10019571

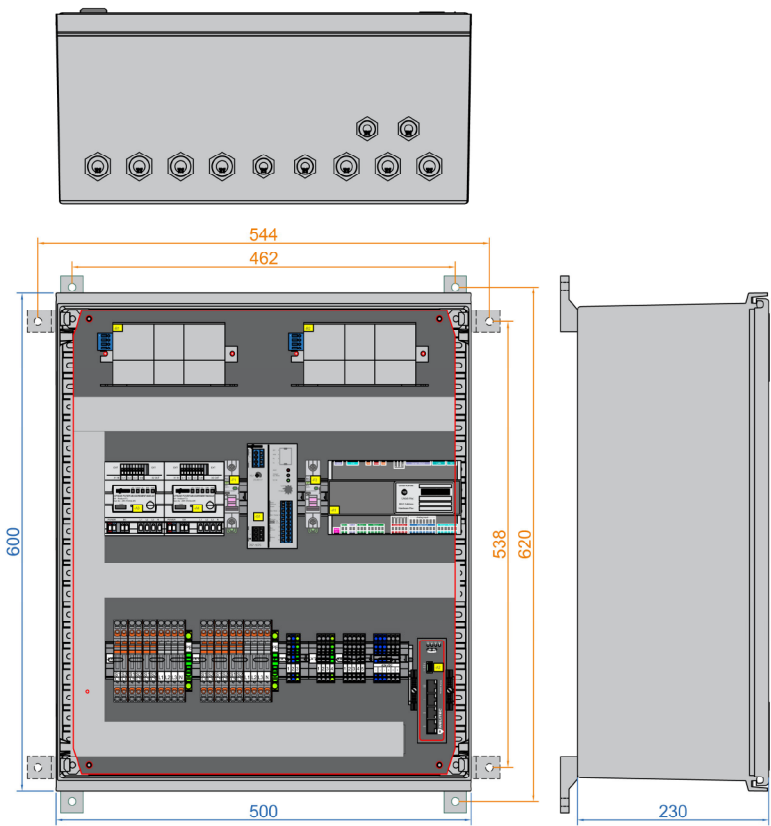
Mains and system protection in accordance with VDE-AR-N 4105/4110  
PowerControl 500

All values in [mm]  
Dimensions "blue"  
Fastening points "orange"

Internal arrangement and components may differ depending on the variant!

Minimum distances

above	200
below	400
lateral	200
front	1200



SCOPE OF DELIVERY

Quantity	Designation
1	PowerControl 500
1	General installation instructions
1 set	Wall mounting brackets
4	M20 cable gland incl. lock nut

Quantity	Designation
7	M25 cable gland incl. lock nut
4	Diaphragm insert EMT 20
4	Diaphragm insert EMT 25
1	Circuit diagram

Status: March 2025  
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## TECHNICAL DATA

NOMINAL VALUES		• applicable / - not applicable
Rated insulation voltage $U_i$	[VAC]	660
Rated operating voltage $U_e$	[VAC]	3PH - 230/400
Operating frequency $f_n$	[Hz]	50
Net shape		TT / TN-S
Max. Value of the back-up fuse (gG/gL)	[A]	see circuit diagram
Type of generating system (VDE-AR-N 4105/4110)		Type 2

CONTROLLER - EZA-CONTROLLER	
Type	

UPS	
Nominal voltage	[V] 24
Battery capacity	[Ah] 2 x 3,2

LTE ROUTER WITH SWITCH	
Type	Welotec TK804L1.450
Number of ports	4

2 x 3- PHASE POWER CONVERTERS	
Type	Wago 3x277/480 2857-570/024-005

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## ITEM NO. 10019571

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PowerControl 500

## TECHNICAL DATA

COMMUNICATION	• applicable / - not applicable	
Interface	Power supply BUS, FRE	
Cable entry		
Introductions	M20 and/or M25	
Clamping range (from - to)	[mm]	7 - 13 / 9 - 17
Connections		
Connection type	Spring clamp	
Stripping length	[mm]	10 - 12
Cable cross-section (from - to)		
Fine copper wire with ferrule	[mm²]	0,25 - 2,5
Fine-stranded copper	[mm²]	0,25 - 4
Solid or stranded copper wire	[mm²]	0,25 - 4

COMMUNICATION		
Interface	Test disconnect terminal strip Voltage and Current measurement	
Cable entry		
Introductions	M20 and/or M25	
Clamping range (from - to)	[mm]	7 - 13 / 9 - 17
Connections		
Connection type	Spring clamp	
Stripping length	[mm]	13 - 15
Cable cross-section (from - to)		
Fine copper wire with ferrule	[mm²]	0,5 - 6
Fine-stranded copper	[mm²]	0,5 - 10
Solid or stranded copper wire	[mm²]	0,5 - 10

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## TECHNICAL DATA

GENERAL		• applicable / - not applicable
Dimensions WxHxD (without screw connections)	[mm]	500 x 600 x 230
Weight, approx.	[kg]	22
Operating temperature range	[°C]	-25...+35
Temperature - transport/storage (24 hours 70°C)	[°C]	-25...+35
Humidity - condensing permitted		-
Humidity - permissible range	[%]	5...70
max. installation height above N.N.	[m]	2000
Protection class IP (EN 60529)		65
Outdoor suitability (protected area)		•
Protection class (EN 61140)		II
Housing material		Polyester (GRP)
RoHS-compliant (2011/65/EU)		•
Housing colour		RAL 7035
Mounting type		Wall mounting
Closure type		Double-bit closure

OTHER	
Customs tariff number	85371098

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