



# VOLTSTORAGE SMART

 TECHNICAL DATASHEET



## TECHNICAL DATA

### Electrical connection

Nominal voltage	230 V
Nominal frequency	50/60 Hz
Max input/output current (AC)	32 A
Phase detection	16 A
Cos (phi)	1
Inverter efficiency (max.)	94%
Phase operation	3-phase compensation with 1-phase operation
Emergency power	Optional

### Battery

Technology	Vanadium-Redox-Flow
Manufacturer	VoltStorage
Name	VoltStorage SMART
Nominal power (DC)	800 W
Max. power (cont., DC)	1,500 W
Max. power (30s, DC)	2,000 W
Max. current (cont., DC)	60 A
Max. current (30s, DC)	80 A
Nominal Voltage	25.2 V
Max. DC capacity	245 Ah
Nominal Energy	6.2 kWh
Max. Coloumb efficiency	98%
Max. Energy efficiency	84.5%
Cycles	> 10.000
Nominal Energy after 20 years	100%
Maintenance	not needed

### Mechanical data

Size (LxWxH)	580 x 580 x 1406 mm
Weight (installation)	108 kg
Weight (operation)	388 kg
Shell protection class according to DIN EN 60529	IP52, protection against temporary immersion up to a shell height of 1,100 mm

Shell material	Aluminum 6000 + ABS
Assembling	Floor

### Installation conditions

Ambient temperature (operation)	0°C till +35°C
Storage temperature	-10°C till +50°C
Humidity	0% till 80%
Installation altitude	< 2.000 m ASL

### Communication

Existing connections	3x RJ45 Cable bushing AC 1x RGB Status-LED 1x On/Off switch
Interface Wireless	WiFi 802.11 b/g/n
Interface Cable	RJ 45 Ethernet
Interface Energy meter	RJ 45 Ethernet (PoE)
Management System	integrated
User Interface	VoltStorage WebApp <sup>1</sup>

<sup>1</sup> Chrome, Safari, Mozilla or Edge Browser in the latest version

### Energy meter

Connections	3 Phasen (in/out) + neutral wire
Size (LxBxH)	68x53x89 (2x)
Fixing	DIN rail mounting

### Standards, connection rules & certifications

Safety	VDE-AR-N 4105EN 61000-6-1:2007EN 62477-1:2012RoHS 2011/65/EU
Environment protection	RoHS 2011/65/EUWEEE 2012/19/EU2066/66/EC REACH AwSV