



VOLTSTORAGE SMART

TECHNICAL DATASHEET

Electrical connection

Nominal voltage	230 V
Nominal frequency	50/60 Hz
Max input / output current (AC)	32 A
Phase detection	32 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
Lifetime	20 years
Maintenance	not needed

Mechanical data

Size (L x W x H)	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 to +35° C
Storage temperature	-10° C to +50° C
Humidity	0 % to 80 %
Installation altitude	< 2,000 m ASL

Communication

Existing connections	3 x RJ 45 Cable bushing AC, 1 x RGB Status-LED, 1 x 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* <small>*Chrome, Safari, Mozilla or Edge Browser in the latest version</small>

Energy meter

Connections	3 Phasen (in/out) +, neutral wire RJ45
Size (L x W x H)	68 x 53 x 89 (2 x)
Fixing	DIN rail mounting

Standards, connection rules and 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