

...delivers power and safety to your home and backs up your business!



Long Life
LiFePO₄ Battery



Full Shield Technology



Modular Scalable



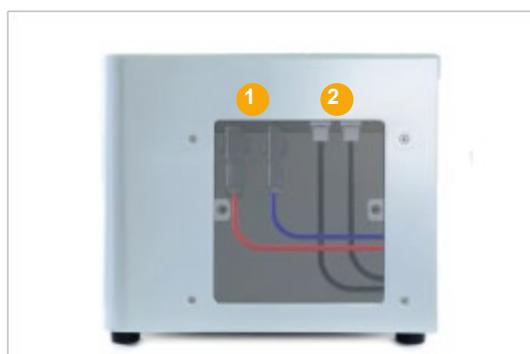
Highest Efficiency



Accessible User Interface

HIGHLIGHTS

- **Long Lifetime** - High performance LiFePO₄ battery cells endure up to 20 years of operation and provide a high energy density
- **Full Shield Safety** - Multistage battery management system with local disconnectors to meet highest safety requirements
- **Modular Scalable** - Depending on your demand we combine up to 8 batteries to meet the power and capacity requirements
- **Less is More** - The compact and light weight energy storage fits in any corner and is easy to install
- **Simplicity** - Clear status LEDs and a single push button for intuitive operation
- **Maintenance-free**



PLUG&PLAY CONNECTORS

- 1 x Shape-coded DC Connector
- 2 x RJ45 Communication



DOMUS 2.5 PART NO.: DS02511AB

General Data	
Dimension (W*H*D)	440 x 180 x 328 mm
Weight	30 kg
Battery technology	LiFePO4 (LFP)
Battery cells	Aluminum housing
Modular expandability	1 - 8 units (2.5 - 20 kWh)
Modular interconnection	Series connection, high voltage system ≤450V
Optional application	Can also be used as a single battery
Communication ports	2 x RJ45 (RS485)
DC connector	PhoenixContact Sunclix, shape coded
Battery fuse	Integrated
Housing material	Aluminum
Software	ETerm Customer Interface
Certificate	UN 38.3
Conformity	CE (EMV, NSR, RoHS), FNN
Warranty	5 years (*1)
Performance warranty	10 years at least 80% capacity (*1)

Electrical Data	
Capacity	50 Ah
Nominal energy	2.6 kWh
Usable energy (100% DoD)	2.5 kWh
Cycles at 100% DoD	≥ 7000
Inner resistance	≤ 100 mΩ
Nominal voltage	51.2 V
Operational voltage range	48 - 56 V
Max. charge current	25 A (0.5C)
Max. charge current (OFF-GRID)	25 A (0.5C)
Max. discharge current	25 A (0.5C)
Max. discharge current (OFF-GRID)	25 A (0.5C)
Power consumption in operation mode	< 1 W
Power consumption in standby mode	< 50 mW
Battery efficiency	> 95%
DC overvoltage category (IEC 60664-1)	II
Max. PV system voltage	900 V DC

Environmental Conditions	
Operational temperature range	min. +5°C, max. +40°C
Recommended operating temp.	25°C ± 2°C
Storage temperature range (< 1 year)	min. -20°C, max. +25°C
Transport temperature range (< 1 month)	min. -20°C, max. +45°C
Operational humidity range	25% - 85%
Storage humidity	< 70%
Degree of protection (IEC 60529)	IP51

Battery Management System	
Balance type	Passive
Monitoring	All system parameters (*2)
Charge / discharge process	Intelligent algorithm
Calculation of SoC and SoH	Intelligent algorithm

Supported Devices	
Hybrid inverter	CENTURIO, KACO blueplanet Hybrid 10TL3

*1: Energy Depot Warranty Conditions apply.

*2: Continuous monitoring of current, system voltage, cell voltage, cell temperature and PCB temperature. System shutdown if parameter limits are exceeded. Subject to change without further notice. Errors excepted.

