

# Energy Storage DOMUS 3.6



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



Long Life  
LiFePO<sub>4</sub> Battery



Full Shield  
Technology



Modular  
Scalable



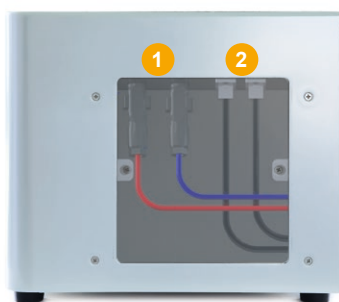
Highest  
Efficiency



Accessible  
User Interface

## HIGHLIGHTS

- **Long Lifetime** - High performance LiFePO<sub>4</sub> battery cells endure more than 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 1 x Shape-coded DC Connector
- 2 2 x RJ45 Communication



Energy Depot GmbH  
August-Borsig-Str. 20  
78467 Konstanz / Germany  
Mail: [info@energydepot.de](mailto:info@energydepot.de)  
[www.energydepot.de](http://www.energydepot.de)

Energy Depot Swiss GmbH  
Breitenaeckerliweg 11  
8280 Kreuzlingen / Switzerland  
Mail: [info@energydepot.ch](mailto:info@energydepot.ch)  
[www.energydepot.ch](http://www.energydepot.ch)



# DOMUS 3.6 - Technical Data

## DOMUS 3.6

PART NO.: DS03611AB

### General Data

Dimension (W*H*D)	440 x 283 x 365 mm
Weight	40 kg
Battery technology	LiFePO4 (LFP)
Battery cells	Aluminum housing
Modular expandability	1 - 8 units (3.6 - 28.4 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)
Life expectancy	20 years

### Electrical Data

Capacity	70 Ah
Nominal energy	3.6 kWh
Usable energy (90% DoD)	3.2 kWh
Cycles at 90% DoD	≥ 8000
Inner resistance	≤ 100 mΩ
Nominal voltage	51.2 V
Operational voltage range	48 - 56 V
Max. charge current	25 A (0.36C)
Max. charge current (OFF-GRID)	25 A (0.36C)
Max. discharge current	25 A (0.36C)
Max. discharge current (OFF-GRID)	25 A (0.36C)
Power consumption in operation mode	< 1 W
Power consumption in standby mode	< 50 mW

### 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-Series
-----------------	-----------------

\*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.

