

Energy Storage DOMUS 3.0

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



Long Life
LiFePO₄ Battery



Modular
Scalable



Highest
Efficiency



Accessible
User Interface

DOMUS 3.0 is specifically designed for residential use, it is equipped with very safe and high quality LiFePO₄ battery cells. The powerful batteries achieve together with the integrated battery management system an optimum of performance and durability as well as a very high degree of safety.

HIGHLIGHTS

- **Simple** - Plug & Play installation
- **Long Lifetime** - Premium LiFePO₄ batter cells and integrated battery management system for a maximum lifetime
- **Modular Scalable** - Depending on your demand you can combine up to 6 battery modules
- **Less is More** - the space saving design and low weight fit in every corner
- **Easy to Operate** - the clear LC display provides all relevant information, the power gives an intuitive operation
- **Maintenance-free**



PLUG&PLAY CONNECTORS

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



DOMUS 3.0 - Technical Data

DOMUS 3.0

PART NO.: DS03011AE

General Data	Dimension (W*H*D)	785 x 180 x 290 mm
	Weight	40 kg
	Battery technology	LiFePO4 (LFP)
	Battery cells	Steel
	Modular expandability	1 - 6 units (3- 18 kWh)
	Modular interconnection	Parallel connection
	Communication ports	2 x RJ45 - CAN and RS485 compatible
	DC connector	Reverse polarity protected, 120 A, 600V
	Battery fuse	Integrated
	Housing material	Steel
	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	60 Ah
	Nominal energy	3.0 kWh
	Usable energy (90% DoD)	2.7 kWh
	Cycles at 90% DoD	≥ 8000
	Inner resistance	≤ 100 mΩ
	Nominal voltage	51.2 V
	Operational voltage range	48 - 56 V
	Max. charge current	30 A (0.5C)
	Max. charge current (OFF-GRID)	30 A (0.5C)
	Max. discharge current	30 A (0.5C)
	Max. discharge current (OFF-GRID)	60 A (1C)
	Power consumption in operation mode	< 2 W
	Power consumption in standby mode	< 100 mW
	Environmental Conditions	Operational temperature range
Recommended operating temp.		20°C to 25°C
Storage temperature range (< 1 year)		min. -20°C, max. +30°C
Transport temperature range (< 1 month)		min. -20°C, max. +45°C
Operational humidity range		15% - 85%
Storage humidity		< 70%
Degree of protection (IEC 60529)		IP51
Battery Management System	Balance type	Passive
	Monitoring	All system parameters (*2)
Supported Devices	Hybrid inverter	PILUM, GW5048D-ES

*1: Energy Depot Warranty Conditions apply.

*2: Continuous monitoring of current, system voltage, cell voltage and cell temperature. System shutdown if parameter limits are exceeded.

Subject to change without further notice. Errors excepted.

