



ENERFLEX

Model MSS6-3MPII3

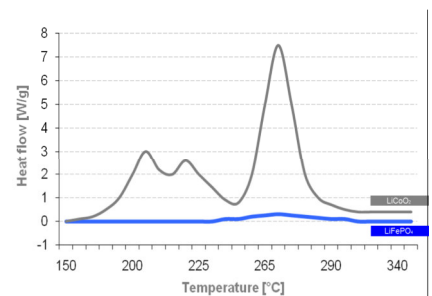
With leading technology by



victron energy
BLUE POWER

Complete 3-phase energy storage solution with full emergency energy supply capacity

- Pre-configured plug and play system / attach to wall – connect – start
- Easy and fast installation for one person possible
- Uninterrupted 3-phase power supply in case of grid failure UPS ≤ 20 ms switching time with maximum overload capacity
- Lithium-iron-phosphate battery LiFePO_4 Fortelion – inherently safe and no risk for explosion thanks to unique thermal stability; no gas formation – no special ventilation necessary, no heavy metals; take-back obligation for recycling by Murata/Sony
- Flexible PV-DC- or AC-coupling, or combination of both, upgrading of older systems or with new PV-plants, expandable at any time
- Best ratio for price / AC-power and price / storage capacity
- Possibility of zero feed-in for 100% self-consumption of PV-power
- Possibility of peakshaving to reduce maximum peak power import
- Phase compensation for meters without balance function and unsymmetrical load



Thermal stability Fortelion cell in blue



Technical data

Mounting plate

Capacity AC grid-parallel

UPS feature

Emergency supply

Grid switching

Storage

Storage capacity

DC- characteristics

Battery rack

Durability

Warranty

System management

Data logging

System efficiency ratio

1060/840/180 mm (B/H/T) with cable tray and mounting utilities

3-phase, AC-out 3 x 3 kVA permanent 230/400 V 50 Hz

Uninterrupted power supply (≤ 20 ms switching time); full off-grid-functionality

3-phase, full inverter power short term peak power up to 16,5 kW

Certified grid and system protection integrated (in compliance with VDE-AR-N 4105)

Meisl storage system MSS with Sony Fortelion lithium-iron-phosphate LiFePO₄

7,2 kWh thanks to modular setup flexibly expandable in 1,2 kWh steps up to 12 kWh or even up to 19,2 kWh in large rack

51,2 V nominal voltage, max. 185 A (9,5 kW) grid-parallel, for emergency power/off-grid > 300 A overload capacity

Black with heavy-duty rollers, front-door lockable with glass panel; complete mounting equipment; rack size up to 12 kWh (10 modules + 1 controller)

1085x600x600 mm (hxwxh); rack up to 19,2 kWh 1800x600x600 mm (hxwxh)

Up to 20 years, > 10 000 cycles at DoD 100% and 1C

Murata/Sony storage warranty provided by Elektro-Mechanik Meisl for on- or off-grid even in harsh environment:

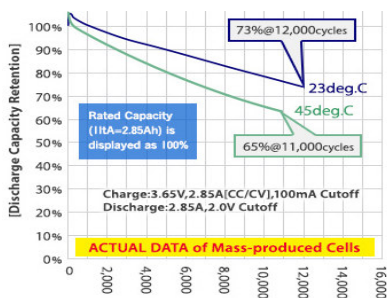
15 years on 60% of capacity remaining, permitting charging -10° to +60° C

KFW-eligible present value replacement warranty 10 years on 80%

ColorControl Display for system control and visualization of performance data as well as through the app and / or web portal. Remote system control and maintenance are possible

Micro-SD-card and, when online, in web portal

90 - 96% depending on operating conditions



Tested cycle life of Fortelion cell at 100% DOD, 1C



Visualization and system control via tablet, web portal and APP

Optional upgrades

- 3-phase 9 kVA AC-out power 230/400 V, 50 Hz or 120 V, 60 Hz with possible upgrade in steps up to 45 kVA AC-out 230/400 V, 50 Hz with three devices and up to 180 kVA AC-out permanent 230/400 V, 50 Hz by parallel connection of further devices with double overload capacity in off-grid mode
- Upgrade of storage capacity may be done easily, even after years in 1,2 kWh steps per rack up to max. 19,2 kWh and by adding up to 16 racks up to 307,2 kWh
- Second AC-in for additional connection to genset with automatic switching
- Smart1 energy management control center for additional regulations in order to optimize self-consumption and off-grid systems, stepless control for heating rod or charging e-vehicle and integration of sensors, amongst others

Unique flexibility in performance, additional features and storage capacity

Prices and details for optional expansions and special system design on request

Upgrade of AC-output power, storage capacity above 19,2 kWh or with a second AC-out may easily be put into effect by installing bigger inverters for individual installations and multi-string-BMS in separate storage racks.

Picture on cover shows model MSS10-3MG3 with 12 kWh storage capacity and integrated ENERFLEX energy meter

your ENERFLEX – specialized dealer