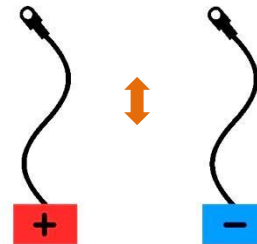
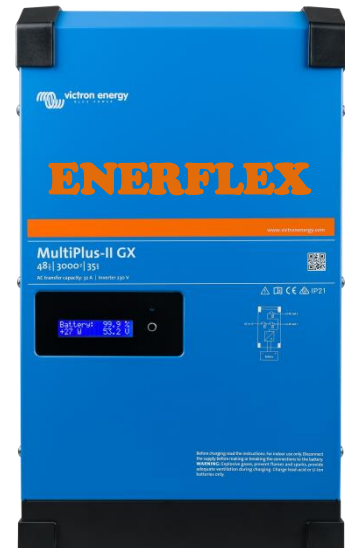
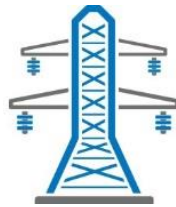


# ENERFLEX

## Model 1MPII5GX

With leading technology by



- MURATA
- CEGASA
- BMZ
- BYD
- LG CHEM
- PB
- ...and many more

### 1-phase energy storage system with full UPS function

- Pre-configured plug and play system / unpack – connect – start
- Easy and fast installation for one person possible
- Phase compensation
- Uninterrupted 1-phase power supply in case of grid failure UPS ≤ 20 ms switching time with maximum overload capacity
- Free choice of storage system – compatible with many different batteries
- Flexible PV-DC- or AC-coupling, also possible in combination, upgrading of older systems and in combination with new PV-plants, expandable at any time
- Battery connection cables 2 x 2 m and energy meter set included
- Preis Best ratio for price / AC-capacity and price
- Possibility of zero feed-in for 100% self-consumption of PV-power
- Possibility of peakshaving to reduce maximum power import peaks

**Grid protection included**  
**TOR D4 and**  
**VDE-AR-N 4105**  
**certified**



## Technical Data

Power AC grid-parallel

UPS feature

Emergency supply power

Grid switching

Storage

Storage capacity

Warrenty

System management

Data logging

System efficiency

Inverter type

1-phase, AC-out 5 kVA permanent 230 V, 50 Hz

Uninterrupted power supply ( $\leq 20$  ms switching time); full off-grid-functionality

1-phase, full inverter power, short term peak power up to 9,0 kW

Certified grid protection compliant to VDE-AR-N 4105 and TOR D4 (2016, V.2.3)

Free of choice according to Victron compatibility list, other battery systems in request

Flexible battery size, free of choice, only a minimum capacity for the respective system has to be considered.

5 years warranty on victron products, details can be found at:

[https://www.victronenergy.com/upload/documents/20150209\\_Warranty\\_final\\_en.pdf](https://www.victronenergy.com/upload/documents/20150209_Warranty_final_en.pdf)

GX Display directly on the inverter for visualization of the most important performance values, Webserver, App and/or web portal. Remote system control and maintenance are possible

Online in web portal

90 - 96% depending on operating conditions

Victron MultiPlus-II 48/5000/70-50 GX



Visualization and system control via webserver, webportal and APP on tablet, phone, laptop and PC

## Optional upgrades

- 3-phase 15 kVA AC-out power 230/400 V, 50 Hz or 120 V, 60 Hz with possible upgrade in steps up to 90 kVA AC-out 230/400 V, 50 Hz by parallel connection of further devices with double overload capacity in off-grid mode
- Upgrade of storage capacity according to the respective manufacturer.
- 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-cars and integration of sensors, amongst others
- AC-Thor energy management for stepless control for heating rod or charging e-cars (Keba)

Unique flexibility in performance, additional features and storage capacity

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

Upgrade of AC power requests also a corresponding battery size according to the respective minimum requirements. To connect an emergency generator a quattro device is required for only those that have a second input terminal. Image on the front page shows a 1MPII3GX system.

Your ENERFLEX dealer