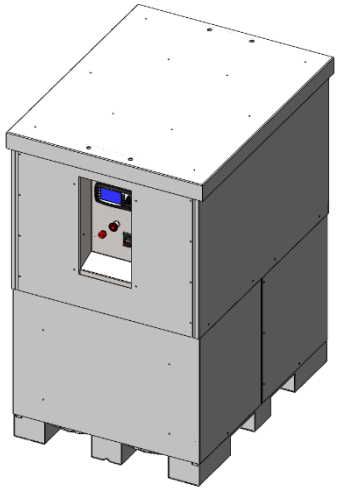
Uninterrupted Power Supply
DynaBank 15 kVA 25 kWh

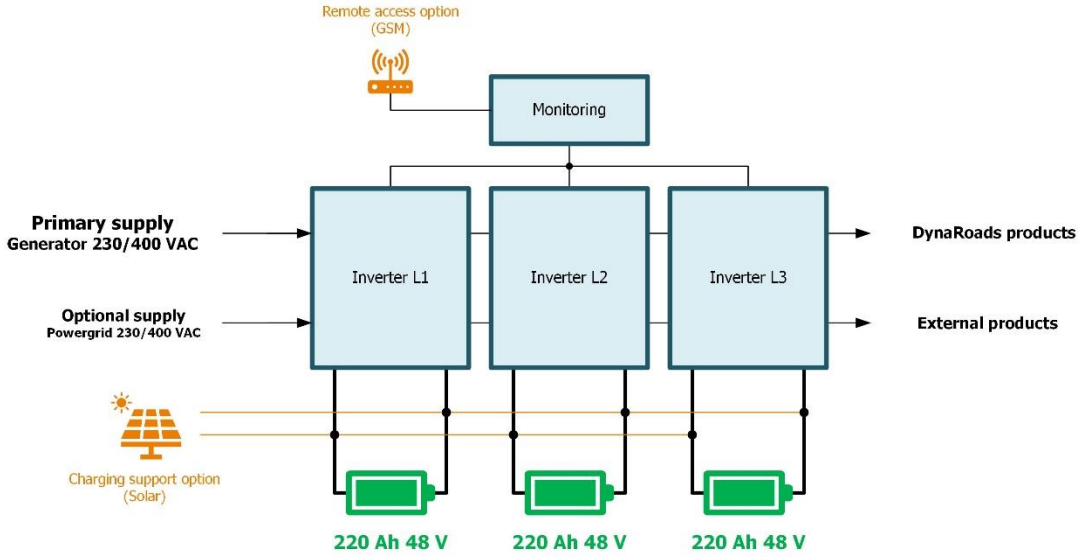
General Description:
«DynaBank» is an autonomous power source with a high output efficiency that simultaneously serves as an uninterrupted power supply (UPS). The system stands out for its high capacity in a small space and is designed for outdoor use. When the capacity is depleted, a generator automatically starts to recharge the batteries. Thanks to the large 224-liter tank, the system can operate for an extended period without refueling. Additionally, the batteries can be optionally charged with a mobile photovoltaic system. Naturally, a connection to the power grid is also possible. The system has openings all around for forklift forks and crane eyes on top for transport.

Key Features:
- Autonomous three-phase operation
- Grid synchronization
- 15 kVA output power 230/400 VAC 50 Hz
- 25 kWh effective Energy (per phase 4x 220 Ah 12 V lead-gel battery serially)
- Feed-in capability from generator with fully automatic start and 224-liter tank
- Coverage of a power failure for approx. 100 minutes under full load
- Optional: Remote access
- Optional: Charging support with solar modules



Connection Rating:
- The system is secured on the input side (primary supply) via a 16 A circuit breaker
- Input current limitation of the converters adjustable

Block Diagram (simplified*):



* Control lines, fuses, switches, current and temperature monitoring, as well as balancing between the batteries (in series) not shown.

Technical Data (DynaBank):

- Size : ~ 1498 x 1188 x 934 mm
- Weight : ~ 1182 kg
- Material: Basic structure made of hot-dip galvanized steel with an aluminum shell

Possible Remote Query of Technical Data:

- Battery voltage
- Current
- Power
- Consumed ampere hours
- Charge state
- Remaining runtime at current discharge rate

Example: operation exclusively via DynaBank

Case 1 (1 kWh consumption per day):

- Operation possible for 25 days (25 kWh / 1 kWh)

Case 2 (5 kWh consumption per day):

- Operation possible for 5 days (25 kWh / 5 kWh)

Example: operation DynaBank & PV system

Case 1 (1 kWh consumption per day):

- Operation theoretically unlimited but dependent on sunlight (average solar power approx. 75 kW / day)

Case 2 (5 kWh consumption per day):

- Operation theoretically unlimited but dependent on sunlight (average solar power approx. 75 kW / day)

Example: operation via generator (224 l) & DynaBank

Case 1 (1 kWh consumption per day):

- Operation for 771 days (771 kWh / 1 kWh per day)

Case 2 (5 kWh consumption per day)

- Operation for 154 days (771 kWh / 5 kWh per day)

For further inquiries and consultations, we are of course available to assist you at any time.