

multiwatt[®]

- ▶ Flexibel applicable battery system through 4 single accutainer
- ▶ Upgrade to existng pv plant simply possible
- ▶ Web-Monitoring
- ▶ high performance energy storage

multiwatt.EnergyStorageSystem

complete solution for more independence



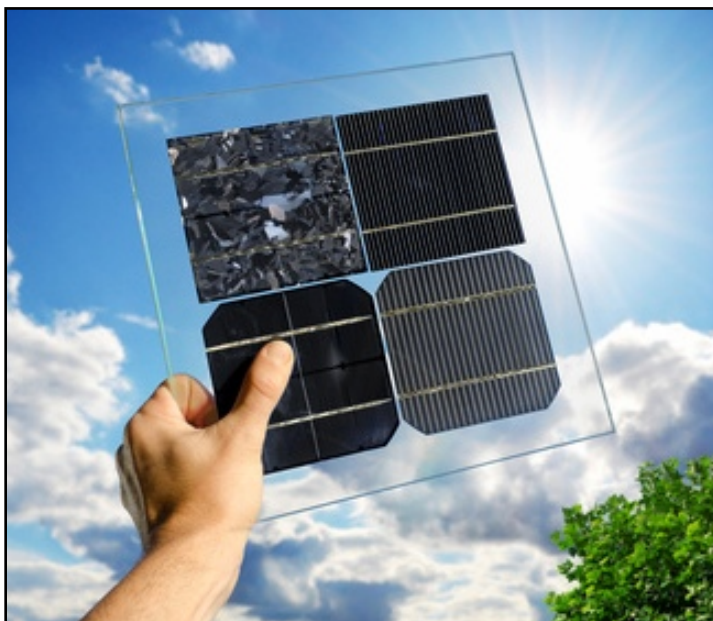
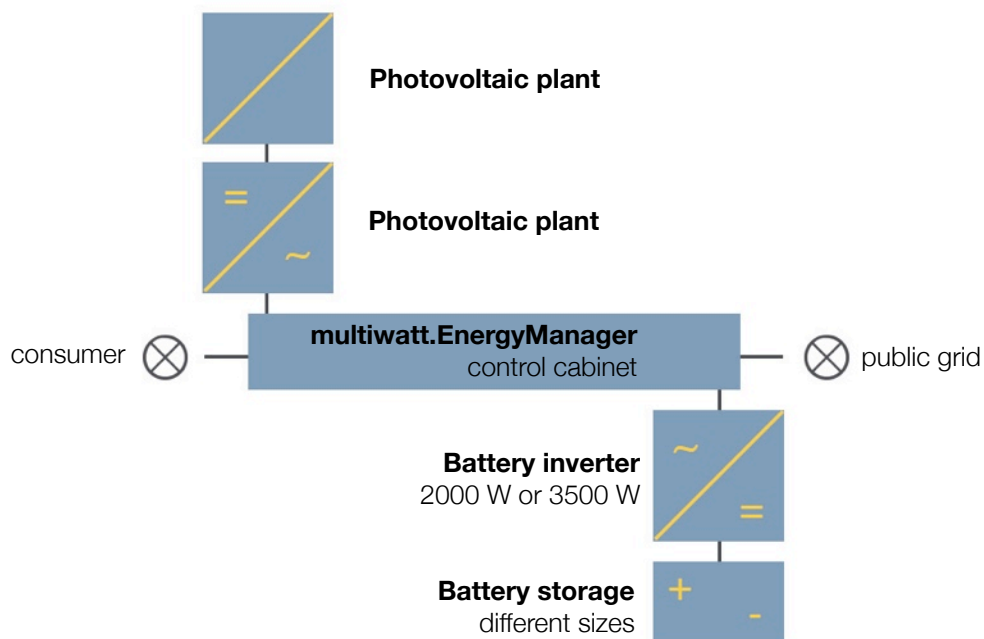
The principle is well known. Sun beams hit the roof. Power is generated. This direct current is commutated into alternating current and can be used directly. But to free yourself from public energy suppliers you need to store your self-generated solar and wind power.

The multiwatt.EnergyStorageSystem

At that point multiwatt® has a the solution.

The solar electricity is stored in special solar batteries and available at any time. This storage system is available in different output sizes. By the help of the **combined battery inverter and the multiwatt.EnergyManager** the power can be stored and used in an intelligent way while the sun is not shining.

For optimal supply of the system multiwatt® delivers the correct photovoltaic components. The complex multiwatt® solutions is a reliable, eco friendly and affordable energy supply for the future.



Thanks to four single accutainer the multiwatt.EnergyStorageSystem is not just flexible installable in the narrowest of space.
The whole system is available in two output sizes: 2 kW or 3,5 kW continuous power.

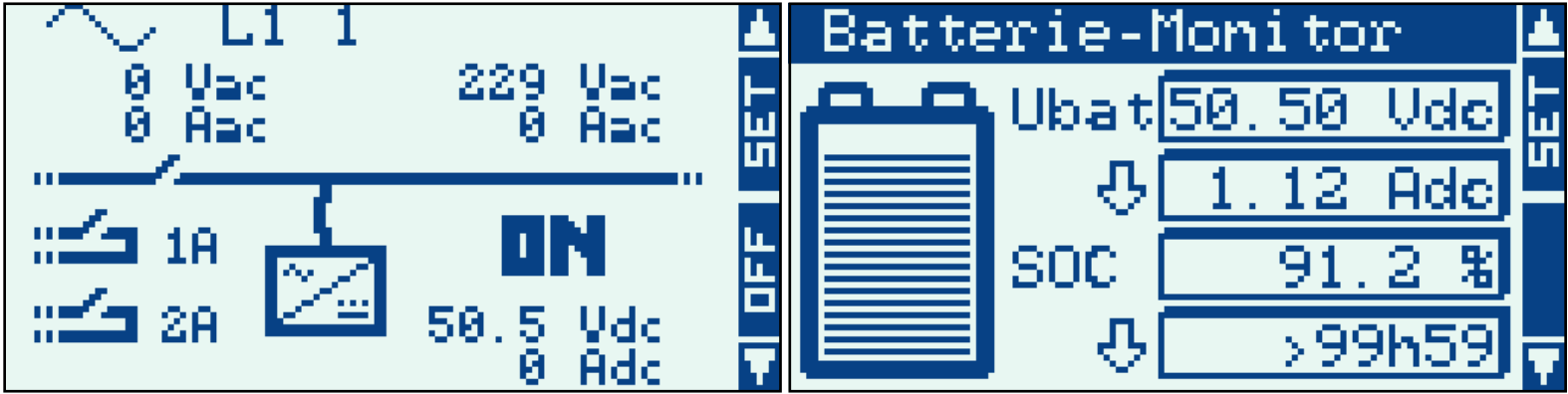
installable flexible in the narrowest of space

The multiwatt.EnergyStorageSystem consists of single accutainer wit lead or acid-lead technology. Due to the control cabinet, to which the battery system is plugged, single electrical consumers can be plugged or unplugged to the solar power. Use your own solar power and reduce your costs because of buying less power from the grid.



Web Monitoring

- ▶ Browserbased monitoring of own energy storage system
- ▶ Remote maintainance by service worker possible
- ▶ Inspect performance of battery power and grid power
- ▶ Check state of charge and much more



Screenshot og Web Monitoring

Technical data: multiwatt.EnergyStorageSystem

Battersystem

- Guarantee: 2 years
- Power: 508 Ah at C125
- Voltage:: 48 V (4 accutainer in series connection)
- Storage:: 24 kWh
- Nominal Voltage: 2 V x number of cells
- Nominal Temp.: 30°C
- Compensation 25 Ah
- charging:
- Technolog<: plump / acid
- Measure in mm: L = 415 x B = 215 x H = 480, per accutainer with top
- Weight: 419,2 kg for 4 accutainer

multiwatt.ControlCabinet

- Guarantee: 2 years
- max. power: 5,7 KW
- Voltage: 230 V / 400 V
- Load recognition: ja
- Outout voltage: L1/N/PE; 230V
- Output frequency: 50Hz
- surveillance of electrical network: optional, according to EN-Norm all-pole disconnection
- Measure in mm: B = 380 x H = 570 x T = 140
- Weight: ca. 15 kg

Studer Xtender 4000-48

- Gurantee: 5 years
- Load recognition: yes (25 W)
- Protection type: IP 20
- Nominal voltage: 48 V
- Output voltage: 230 V AC
- Output frequency: 50 Hz
- Max. efficiency: 96%
- Max. power at 25°C, 4000 W 30 min:
- Continious power at 25°C 3500 W
- Overload and short-circuit protection: automatic disconnect, afterwards 2 attempts for restart
- Overtemperature protection: noise signal before stop / automatic restart
- Max. switching time: 0 - 15ms (USV Mode)
- Measure in mm: H = 230 x B = 300 x T = 500
- Weight: 22,9 kg

Studer Xtender 2600-48

- Gurantee: 5 years
- Load recognition: yes (25 W)
- Protection type: IP 20
- Nominal voltage: 48 V
- Output voltage: 230 V AC
- Output frequency: 50 Hz
- Max. efficiency: 96%
- Max. power at 25°C, 2600 W 30 min:
- Continious power at 25°C 2000 W
- Overload and short-circuit protection: automatic disconnect, afterwards 2 attempts for restart
- Overtemperature protection: noise signal before stop / automatic restart
- Max. switching time: 0 - 15ms (USV Mode)
- Measure in mm: H = 230 x B = 300 x T = 500
- Weight: 16,2 kg