

ENERGY STORAGE SYSTEM 3.0



NEW!

Efficient Li-Ion storage system
from the German storage expert!
Quality made in Germany at an
outstanding price / performance ratio.

ENERGY STORAGE SYSTEM ESS 3.0

- //// Ideal for home use
- //// Small Business use
- //// Plug & Play installation
- //// 7 year replacement warranty
- //// Up to a 20 year lifetime
- //// High cycle stability
- //// Extremely compact design
- //// Patented safety concept

made in **GERMANY**

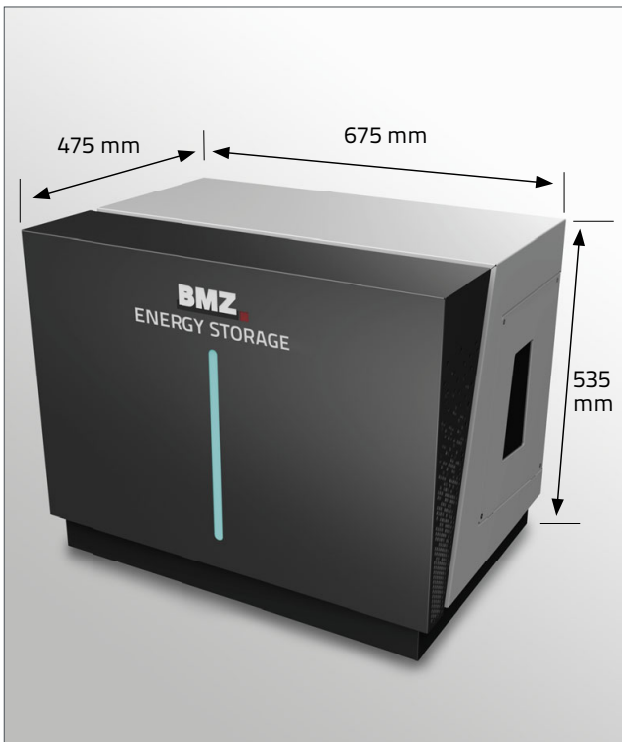
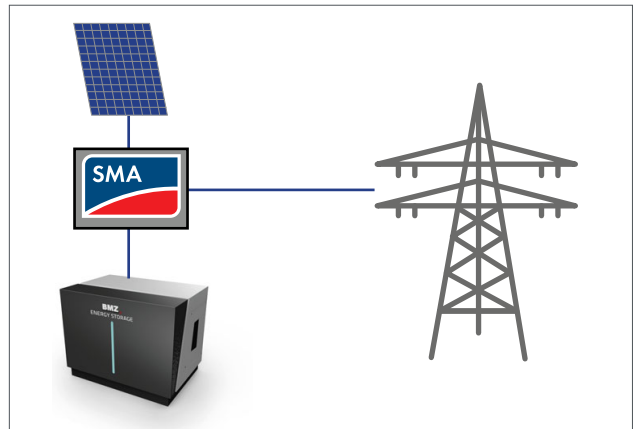
BMZ approved quality



ESS 3.0

THE HIGHLY EFFICIENT STORAGE DEVICE FOR RENEWABLE ENERGY

- /// Environmentally friendly Lithium-Ion battery technology
- /// Up to a 20 year lifetime
- /// Cycle stability at high current
- /// Arbitrary part cycling conditioning – no memory effect
- /// Fast charging: within one hour
- /// Efficient operation with active temperature control
- /// Safety approved technology – latest standards
- /// Integrated battery monitoring
- /// Integrated multilevel safety concept
 - Deep discharge protection
 - Voltage and temperature monitoring
 - Single cell monitoring (passive balancing)
 - State of charge determination
 - (SOC and SOH)
- /// Developed according to VDE-AR-E-2510-2, VDE-AR-E 2510-50, DIN EN 62619, UN 38.3, CE
- /// Compatibility to Victron and Studer from Q4/2015
- /// Ventilation or winter mode not required
- /// No maintenance charging required



Picture may differ

Technical Features	
Nominal voltage	55.5 V
Nominal capacity	121.5 Ah
Nominal energy content	6.8 kWh*
Real energy content	5.0 kWh
Complete cycles	5,000
Depth of discharge	80%
Max. current discharge	300 A (3 sec.)
IP class	IP 21
Operating temperature	0° to +45°
Max. humidity	85% not condensing
Power connection	2 screw terminals 50 mm ²
Dimensions (l x w x h)	675 x 475 x 535 mm
Weight	95 kg

* upgradeable up to 12 modules

BMZ ESS 3.0 SMA Flyer EN 08/2015

