

## ENERGY STORAGE SYSTEM 7.0



Basic Model

**NEW!**

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

Scalable to 6 units/40.44kWh

### ENERGY STORAGE SYSTEM ESS 7.0

- /// Ideal for home and small business use
- /// Plug & Play installation
- /// 10 year/5,000 cycle pro-rated warranty
- /// Up to a 20 year lifespan
- /// High cycle stability
- /// Extremely compact design
- /// 8,000 watts continuous power

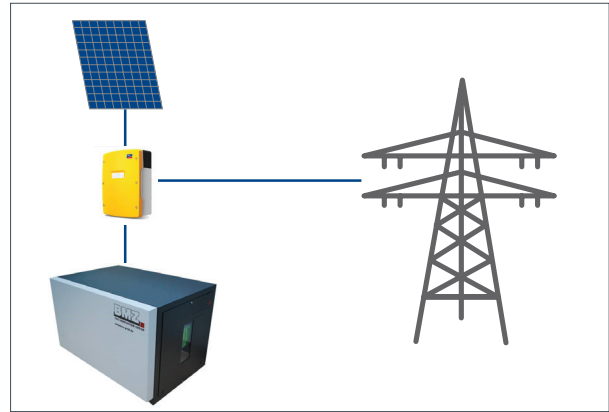
made in **GERMANY**  
  
**BMZ** approved quality



# ESS 7.0 - Basic Model

## THE HIGHLY EFFICIENT STORAGE DEVICE FOR RENEWABLE ENERGY

- /// Environmentally friendly Lithium-Ion battery technology
- /// Up to a 20 year life
- /// 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
- /// Ventilation or winter mode not required
- /// No maintenance charging required
- /// 8,000 Watts continuous max. discharge power

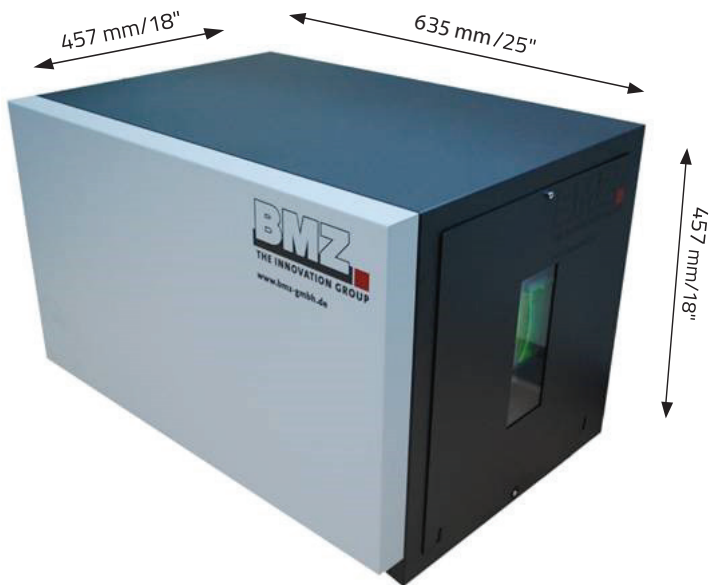


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Technical Features	
Nominal voltage	55.5 V
Nominal capacity	121.5 Ah
Nominal energy content	6.74 kWh*
Real energy content	5.39 kWh
Complete cycles	5,000
Depth of discharge	80%
Max. current diascharge	300 A (3 sec.)
IP class	IP 21
Operating temperature	32° F to 113° F
Max. humidity	85% not condensing
Power connection	2 screw terminals 50 mm <sup>2</sup>
Dimensions ( LxWxH)	25" x 18" x 18"
Weight	95 kg/209lbs

BMZ ESS 7.0 Basic SMA Flyer EN 06/06/2016

\* scalable 6 units - future scalability up to 12 units

Item may differ from photo. Technical modifications may change without notice.



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