

ESS Z

The customized solution
for your needs



E-MOBILITY



DRIVE
SYSTEMS



ENERGY STORAGE
SYSTEMS



POWER- AND
GARDENTOOLS



INDUSTRIAL



MEDICAL

Energy Storage Systems

ESS Z

>> We deliver customized solutions for your needs - Flexibly adaptable due to the modular and compact design. <<

ESS Z is a new modular lithium-ion based energy storage system, which stores the surplus of the collected solar energy for later use. Energy can either be directed into the storage system or be fed into the public grid via an inverter. Energy is available as required: in the evening, at night, or on a cloudy day.

With the ESS Z System, consumers of solar power become more independent from electricity prices and use their home-made eco-electricity when they need it.

- Scalable up to 12 modules
- Maximum energy density
- Maximum discharge power up to 18 kW*

DEVELOPED ACCORDING TO THE STANDARDS AND USER GUIDELINES FOR STATIONARY ENERGY STORAGE SYSTEMS:

- VDE-AR-E 2510-50
- VDE-AR-E 2510-2
- DIN EN 62619 (Draft)
- FNN note (04/2016 version)

ADVANTAGES OF BMZ-ENERGY STORAGE

- Store during the day; use day and night
- Independent from daylight and public grid
- Robust, safe and space saving
- Economic, cost-cutting and ecofriendly
- Modular installation:
The storage capacity can be adapted to your needs



TECHNICAL DETAILS

TECHNICAL DETAILS	ESS Z
Energy (nom. / usable)	8.69 kWh / 7.1 kWh
Nominal Voltage	54.75 V
Operating Voltage Range	45 – 63 V
Capacity (nom. / usable)	156.6 Ah / 129.6 Ah
Max. Constant Charge Current**	<81 A
Max. Constant Discharge Current**	<195 A
Max. Discharge Current	300 A (3 Sec.)
Max. Discharge Power*	18 kW
Weight	98 kg
Dimensions (W * H * D)	638 x 421 x 487 mm
Communication	CAN - SMA Ready
Battery Management System	Monitoring of cell voltage, cell temperature, current, derating and passive balancing
Energy Density (Weight)	90 Wh / kg
IP Protection Class	IP 21

*depends on the respective inverter

**depending also on SoC and temperature limitations

A safe investment in your future



Reduction
of your energy costs



Environmental friendly
Technologie



Lifetime up to
20 years



Made in
Germany

Any questions?

Contact us, we will be pleased to advise you.



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