



# ENERGY-ROCK

## THE SMART OUTDOOR POWER STORAGE SYSTEM FOR BUSINESS AND AGRICULTURE

- 289 kWh storage capacity for high energy requirements
- Quick return on investment by utilising dynamic electricity tariffs
- Integrated energy management for maximum efficiency and control
- 10-year guarantee\*
- Multiple cascading possible
- Overall energy solution: interconnecting PV, heat pump, e-mobility, hot water
- FAIL-SAFE due to emergency power option & cloud warning system
- Peak shaving

### PROFESSIONAL TIP

## PERFECT SOLUTION FOR PROFESSIONALS

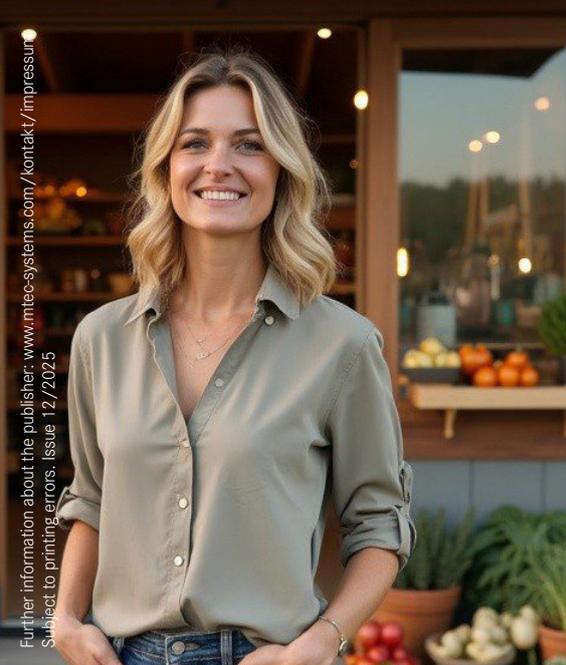
- Plug & Play commissioning
- Cloud monitoring via E-SMART
- Flexible expandability
- Intelligent charging and discharging algorithms
- System openness for third-party components

\* Warranty claims are processed through specialist partners in accordance with the M-TEC warranty conditions.



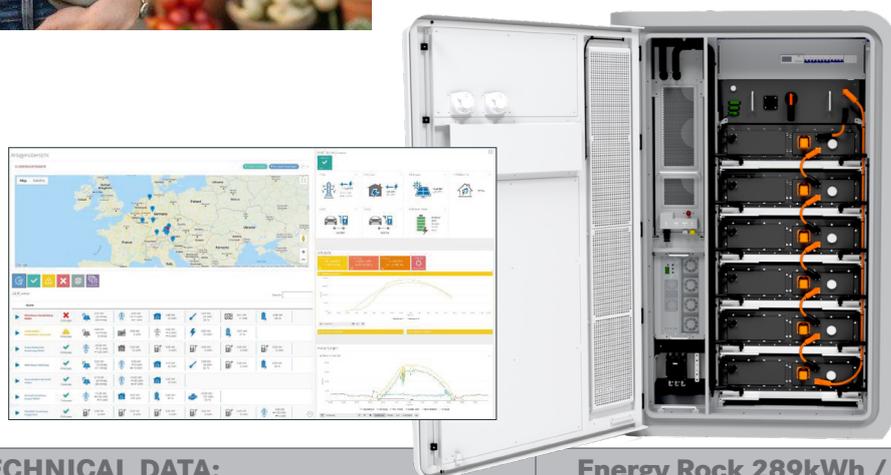
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TECHNICAL  
INFORMATION





## A STRONG PARTNER FOR:

- Commercial enterprises with high electricity demand
- Agricultural businesses
- Apartment blocks / residential buildings
- Charging parks / e-mobility solutions
- Microgrids / stand-alone grids / emergency power supply
- Municipal energy projects



TECHNICAL DATA:	Energy Rock 289kWh / 125kW
Storage capacity	289,3 kWh (LFP 314Ah-technology)
Power (AC)	125 kW
Operating voltage (DC)	921,6 V (720- 1000 V)
Operating temperature	- 15 °C bis +55 °C (derating from > 45 °C)
Cooling	Temperature conditioning based on water glycol
Protection class	IP54
Corrosion protection	C4H
Security features	2-zone aerosol fire suppression, cloud warning system
Noise level	< 75 dB (at a distance of 1 m)
Certifications (System)	u. a. CE, REACH, RoHS, EN 62109-1/-2, IEC 62619, VDE-AR-E 2510-2 / 2510-50, UL 9540A, IEC 60529, UN 38.3, IEC 61000
Certifications (network connection)	u.a. VDE-AR-N 4105 (LV), VDE-AR-N 4110, EN 50549-1, TOR Producers Typ A ,TOR Producers Typ B, R25/03.20, NTS V2.1
Dimensions in mm (WxDxH)	1588 x 1380 x 2450
Weight	3200 kg
Communication	Modbus TCP, RS485, CAN
Cycle life	≥ 8.000 Zyklen
System efficiency	> 89 %
Guarantee	10 years in accordance with the warranty conditions for battery modules