

ESS Series

40ft CONTAINER

LFP ESS Solution

SYSTEM FEATURES



- ↪ 40 ft Container
- ↪ LFP Chemical Cell
- ↪ Nominal AC output power: 500kW (up to 2000kW)
- ↪ Inverter Voltage: 400V Three Phase AC (standard)
- ↪ Energy Management System for “on-grid” mode
- ↪ Isolation Transformer for “off-grid” mode
- ↪ Polyurethane Isolation (standard)
- ↪ Fire Extinguishing System (standard)
- ↪ Air Conditioner Unit (optional)
- ↪ Indoor and outdoor CCTV system (optional)



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Altınay Elektromobilite ve Enerji Teknolojileri AŞ.
Şekerpınar Mh. Turgut Sk. No:9
Çayırova, Kocaeli / TÜRKİYE
+90 (262) 658 09 80
cell@e-mobitech.com

SYSTEM SPECIFICATIONS

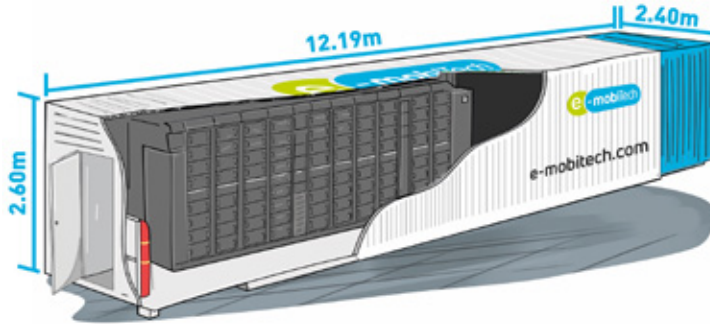
ESS	VARIANT 1	VARIANT 2
Container Size (WxDxH)	40 ft (12196x2438x2591)	
Total Usable Energy	2,15MWh	1,53MWh
Maximum Output Power	1000kW (0.5c)	1500kW (1c)
Working Temperature	-20°C - 55°C	
Communication	CAN/RS485	
Isolation Transformer	optional	
Maximum Efficiency	98.5% (without isolation transformer)	
Noise	<75dB	

BATTERY

Cell Chemistry & Capacity	LFP 280Ah	LFP 50Ah
Usable Energy	215kWh	153,6kWh
Battery Voltage Range	670V - 850V	
Cycle Life	6000cycle @%80DOD	3000cycle @%100DOD
Working Temperature (charging)	0°C - 45°C	0°C - 50°C
Working Temperature (discharging)	-20°C - 60°C	-20°C - 55°C
System Cooling	Controlled air cooling	

INVERTER

Rated Power	500kW	600kW
Rated Voltage	AC 380V/400V	
Rated Frequency	50Hz/60Hz	
Rated Current	606A	758A
Maximum Efficiency	98.5%	
Protection	IP20	
Working Temperature	-20°C - 55°C	



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