

Model	Mobile ESS 100-215	Mobile ESS 215-215	Mobile ESS 430-430	Mobile ESS 1K-1K
Configuration	100 kW / 215 kWh	215 kW / 215 kWh	430 kW / 430 kWh	1000 kW / 1075 kWh
<b>General</b>				
Dimensions (L×W×H)	2130×1450×1900 mm	2400×2150×2200 mm	2991×2438×2896 mm (standard) 3000×2250×2400 mm (mini)	5800×2250×2250 mm
Weight	3.4 tons	5.4 tons	9.8 tons (standard) 9.5 tons (mini)	20 tons
Container Type	Outdoor cabinet	Outdoor cabinet	10ft container	20ft container
Operating Ambient Temperature	-30°C ~ +50°C (Global) 0°C ~ +55°C (Middle East)	-30°C ~ +50°C (Global) 0°C ~ +55°C (Middle East)	-30°C ~ +55°C (Global) 0°C ~ +60°C (Middle East)	-30°C ~ +55°C (Global) 0°C ~ +60°C (Middle East)
Acoustic Level At 1.5m	< 80 dB	< 80 dB	< 85 dB	< 85 dB
Humidity	0% to 95% (no condensation)	0% to 95% (no condensation)	0% to 95% (no condensation)	0% to 95% (no condensation)
Protection Rating	IP55	IP55	IP55	IP55
Corrosion Protection	C3	C3	C3	C3
Fire Suppression System	Aerosol	Aerosol	Aerosol	Aerosol
Output Isolation	Isolation transformer	Isolation transformer	Isolation transformer	Isolation transformer
Communication Interface	Ethernet, RS485 copper busbar	Ethernet, RS485 copper busbar	Ethernet, RS485 copper busbar	Ethernet, RS485 copper busbar
Compliant with Expected Lifetime	> 10 years	> 10 years	> 10 years	> 10 years
Input/ Output Connection (1)	CE, Safety: EN62477-1, EMC: IEC 61000-6-2, IEC61000-6-4, Battery: IEC 62619, IEC 62933; PGS37, CATL CELL : UL1973, UL9540A, CE (IEC62619)			
<b>AC Power</b>				
Rated AC Power	100 kW	215 kW	430 kW	1000 kW
Powerboost Peak Power (@60 Sec)	200 kW	250 kW	500 kW	1200 kW
Powerboost Peak Power (@10 Sec)	200 kW	300 kW	600 kW	1200 kW
Input/ Output Rated Voltage	400 Vac @ 3 phases 3L/N/PE	400 Vac @ 3 phases 3L/N/PE	400 Vac @ 3 phases 3L/N/PE	400 Vac @ 3 phases 3L/N/PE
Input/Output Frequency	50 Hz ± 2.5 Hz	50/60 Hz ± 2.5 Hz	50/60 Hz ± 2.5 Hz	50/60 Hz ± 2.5 Hz
<b>Battery</b>				
Battery Cell Type	CATL LFP 285 Ah			
Rated Energy Storage Capacity (2)	215 kWh	215 kWh	430 kWh	1075 kWh
Depth of Discharge (DOD)	90%	90%/80%	90% / 80%	90%/80%
Max. Charging Rate / Rated Discharge Rate	0.5C / 0.5C	1C/1C	1C/1C	1C/1C
Expected Lifecycles	8000 cycles	8000 cycles	8000 cycles	8000 cycles
Thermal Management (Battery System)	Liquid cooling	Liquid cooling	Liquid cooling	Liquid cooling
<b>Optional Features</b>				
Matrix Power Scalable Output (up to)	400 kW - 4 UNITS	860 kW - 4 UNITS	1.7 MW - 4 UNITS	1.7 MW - 2 UNITS
Range-Extended Serial Charging Power	30 kW	60 kW	90 kW	180 kW
Smart Genset	Yes, adopt to DeepSea, ComAp, SmartGen etc.	Yes, adopt to DeepSea, ComAp, SmartGen etc.	Yes, adopt to DeepSea, ComAp, SmartGen etc.	Yes, adopt to DeepSea, ComAp, SmartGen etc.
Premium Input/Output Connection	Powerlock (max 400 A), CEE form connector (16A / 32 A / 63 A)	Powerlock (max 400 A), CEE form connector (16A / 32 A / 63 A)	Powerlock (max 800 A), CEE form connector (16A / 32 A / 63 A)	Powerlock (max 1600 A), CEE form connector (16A / 63 A)
Built-in / Add-on Fast EV Charger	40 kW / 80 kW CCS2	40 kW / 80 kW CCS2	180kW / 240 kW CCS2	240 kW / 360 kW CCS2
Input by EV Charger	30 kW CCS2	-	-	-
IoT / GPS / AI Wat Cloud	4G / yes / yes	4G / yes / yes	4G / yes / yes	4G / yes / yes
Premium Corrosion Protection	C4	C4	C4	C4