

SINCE 1977

ARKCO SALES

MANUFACTURERS REPRESENTATIVES



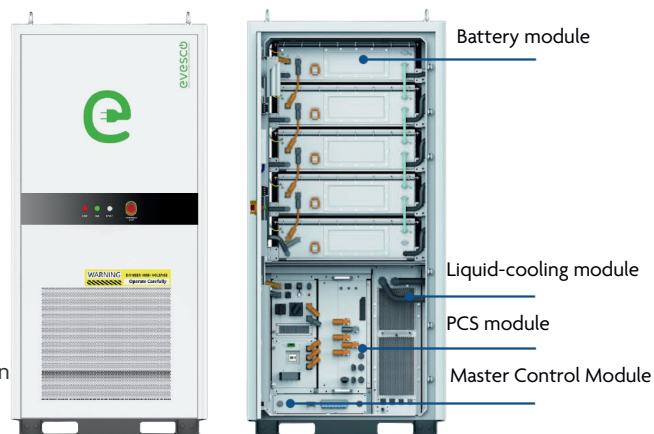
ELECTRIC VEHICLE ENERGY STORAGE COMPANY

ES-125233NA

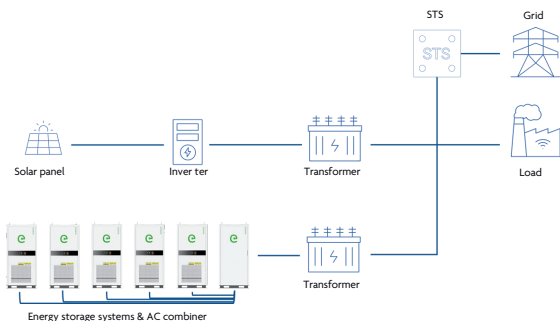


125 kW 233 kWh BESS System Features

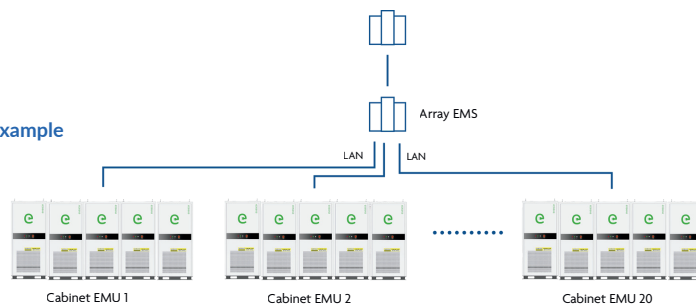
- All-in-One, Ready to Deploy
- Modular & Scalable
- Built-In EMS Intelligence
- Compact Capacity, Maximum Output
- Thermal Precision Cooling
- Flexible, Application-Ready Design
- Approved Safety Standards



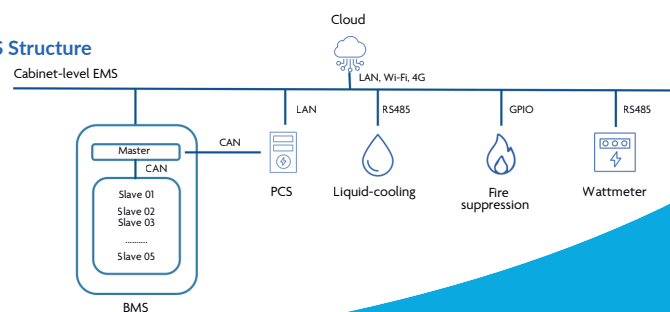
System Deployment Example



Example



EMS Structure



Contact for quotes, samples, or application assistance:

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ES-125233NA

SPECIFICATIONS	
	BATTERY SPECIFICATIONS
MODEL NUMBER	ES-125233NA
BATTERY CHEMISTRY	Lithium Iron Phosphate
CELL TYPE	3.2 V / 314 Ah
MODULE CONFIGURATION	1P52S
SYSTEM CONFIGURATION	5 Modules in series
CAPACITY	233 kWh
NOMINAL VOLTAGE	832 Vdc
OPERATION VOLTAGE RANGE	761 - 923Vdc
DISCHARGE DEPTH	90% DoD
THERMAL MANAGEMENT METHOD	Liquid cooling
THERMAL CONTROL	Aerosol Extinguishing
	AC OUTPUT SPECIFICATIONS
RATED AC OUTPUT POWER	125 kW
MAX AC OUTPUT POWER	137.5 kVA
RATED OUTPUT VOLTAGE	480 Vac
OUTPUT VOLTAGE RANGE	408 - 528 Vac (settable)
RATED GRID FREQUENCY	60 Hz
MAX OUTPUT CURRENT	165.4 A
POWER FACTOR	>0.99
THDI	≤3%
	GENERAL SPECIFICATIONS
COMMUNICATION INTERFACE	CAN, RS485, Wi-Fi, LTE
CERTIFICATION	IEC62619, UL1973, UL9540A, UL9540, EN 61000-6-1/2/3/4, EN 62109-1/2, UN38.3
IP RATING	IP54
OPERATING TEMPERATURE	-4°F (-20°C) to 131°F (55°C)
OPERATING HUMIDITY	0 - 95%
NOISE LEVEL @ 1 METER (3.28 FOOT)	<75dB
DIMENSIONS W x D x H	1100 x 1450 x 2320 mm 43 x 57 x 91 in
WEIGHT	~ 2860 kg ~ 6305 lb

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across five pillars of expertise:
Power, Enclosures & Connectors,
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