



Model No: EN-10k-48-2-1C-X-EMTEL



ENCAP 48V-10kWh delivers robust, maintenance-free energy storage with a 25+ year calendar life, fast response, and superior thermal stability for mission-critical infrastructure.

Performance Specifications

DC Energy	10kWh
Voltage Range	48Vdc to 54Vdc
DC Voltage (Nominal)	50Vdc
Internal Resistance	< 4 mili Ohms

Cell Specifications

Technology	Encapsulated Cell
Nominal Cell Voltage	6.4 ~6.6Vdc / Cell (Encapsulated) 1/2 + 0.12V Envelope

Charge & Discharge Characteristics

Maximum Continuous Charge Current	200A
Maximum Continuous Discharge Current	200A
Charge/Discharge Method	CC/CP/VP

Smart Features

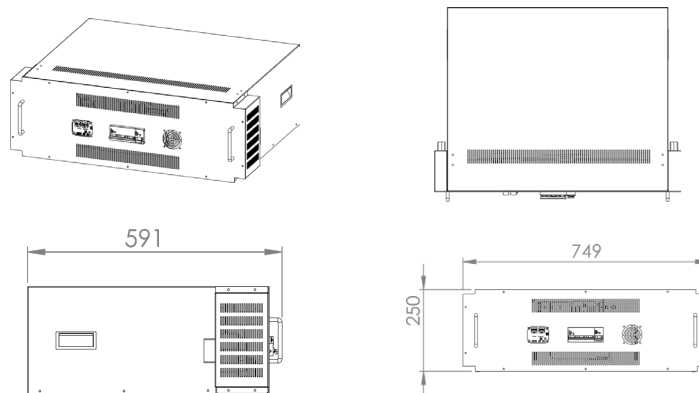
Alarm	Buzzer alarm in the event of Over/under-Voltage, Over-Current, Over Temperature
Circuit Breaker Protection	4 Pole 125A
Communication	WIFI / CANBUS / Bluetooth
Fan	For Cooling

EN-Connect Software

Module Monitoring	Total Voltage Individual Cell Voltages Current Temperatures SOC and Energy Consumed
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Mechanical Specifications

Dimensions (W x H x D) mm	749 x 250 x 591
Module Casing Material	GI Powdered
Terminal Type	Anderson Connectors



2D Diagrams

Module Environmental Specifications

Operating Temperature Range	-30°C ~ +70°C
Operating Humidity	Non-Condensing

Service Life

Cells Projected Cycle Life	500,000 Cycles
Cells Projected Calendar Life	25 Years
Module Projected Shelf Life	10 Years
Warehousing	Can be stored at any SOC without affecting cycle life

- Multiple modules can be connected in parallel to scale system capacity

- To connect modules in series, a contactor box and sub controller must be used.

- We recommend contacting the manufacturer for detailed instructions and compatibility support.