



Energy Storage Solution

All-in-One C&I ESS / DELTerra C

- All-in-One C&I solution integrating a PCS, battery packs, and a unit controller
- Modular base design that reduces underground cable trenching requirements for streamlined deployment
- Flexible configurations from 125 kW/261 kWh per cabinet to 10 in parallel



Commercial
Buildings



EV Charging
Stations



Factories



DELterra C: Built to Simplify

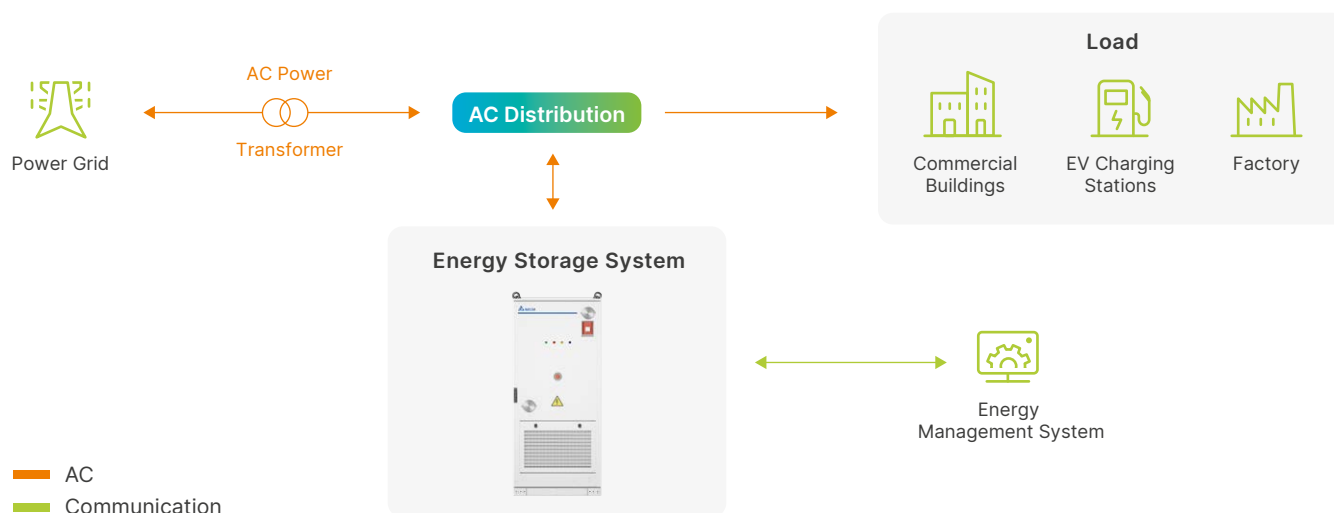
DELterra C is an all-in-one energy storage solution tailored for behind-the-meter applications. It integrates battery packs, a PCS, a liquid cooling system, and a unit controller, offering a single cabinet capacity of 125 kW / 261 kWh with a footprint of less than 1.5 square meters, delivering exceptional energy density. Supporting up to 10 parallel cabinets, it adapts easily to diverse scenarios.

The system features a modular base design that minimizes underground cable trench requirements, simplifying on-site installation and reducing civil work.

Combined with its compact footprint, flexible deployment, and streamlined installation, it is an ideal solution for C&I energy storage applications.



System Architecture



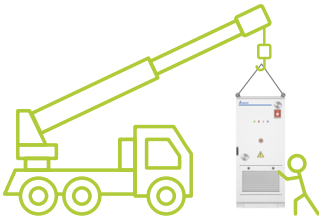
Feature Highlights

Rapid Deployment

With its forklift-ready design and modular base, the system minimizes underground cable trenching, reducing on-site construction time and labor costs.

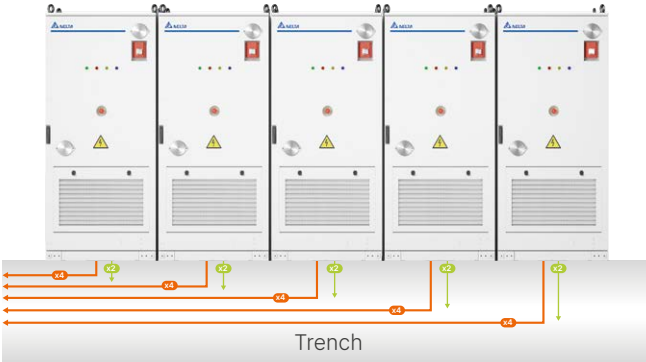
Traditional

Hoisting with a Crane



Traditional

Underground Cable Trenching Required



DELterra C

Lifting with a Forklift



DELterra C

Reduced Underground Cable Trenching



Top-Level Safety Protection

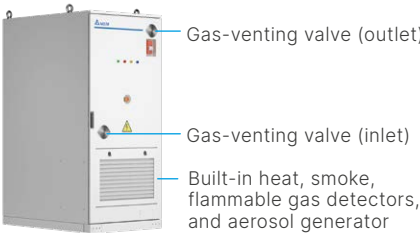
Our advanced energy storage system, featuring 314Ah LFP cells, liquid cooling, and multi-level fire protection, delivers superior performance, safety, and long-term reliability.

LFP 314 Ah Cell



- Longer life cycle
- High energy density
- UL 9540A

Multi-level Fire Safety



Intelligent Management

With an integrated unit controller, the system streamlines device-level coordination, enabling flexible site planning and effortless maintenance—freeing the EMS to focus on strategic decisions and AI optimization.



- Easy integration with third-party EMS

Specifications

Model Name ⁽¹⁾	ESSS-EE124W2EX ₁
General	
Rated AC Power	125 kW
Rated Energy Capacity	261 kWh
Round-trip Efficiency	≥ 85%
Max. Number of Cabinets in Parallel	10 in on-grid operation and 5 in off-grid operation
User Interface	LED, EPO
Communication Interface	Ethernet (RJ45)
Communication Protocol	Modbus TCP / IP
Cooling Method	Liquid cooling
Electrical - AC Side	
Rated Voltage	400 / 230 Vac (3P4W+PE)
Rated Frequency	50 / 60 Hz
Current THD	< 3% @ rated linear load
Power Factor	-1 to 1, continuously adjustable
Electrical - DC Side	
Battery Type	LFP / 314 Ah
Voltage Range (Full load)	728~936 Vdc
Standard Charge/Discharge Rate	≤ 0.5P
Environmental	
Maximum Altitude	2000 m
Operating Temperature	-20°C to +50°C
Operating Humidity	0% to 95% RH, non-condensing
Mechanical	
Enclosure Rating	IEC 60529 IP 55
Dimensions (W x D x H)	1000 × 1420 × 2250 mm
Weight (without packaging)	~ 2720 kg
Certifications	
Safety	UL 9540A, IEC 62619, IEC 62477
EMC	IEC 61000-6-2, IEC 61000-6-4
Grid Code ⁽²⁾	EN 50549, G99, VDE-AR-N 4110

Note:

(1) X₁ indicates serial code.

(2) For country-specific information about grid code compliance, please contact Delta for details.



More Information

Delta Electronics (Netherlands) B.V

Zandsteen 15, 2132 MZ Hoofddorp, The Netherlands

TEL: +31 20 655-0900

EISEMEA.Marketing@deltaww.com

www.deltaww.com



2026 / 06

Specifications are subject to change without prior notice.

Please refer to the actual product purchased. The latest leaflet can be obtained from our sales channels.