



All-In-One Energy Storage Solution for C&I Applications

DELTerra C

- All-in-one commercial and industrial solution integrating PCS, battery, and unit controller
- Design that eliminates the need for underground trenching to streamline deployment
- Flexible configuration options ranging from 125 kW and 261 kWh, scalable up to 10 sets



Commercial
Buildings



EV Charging
Stations



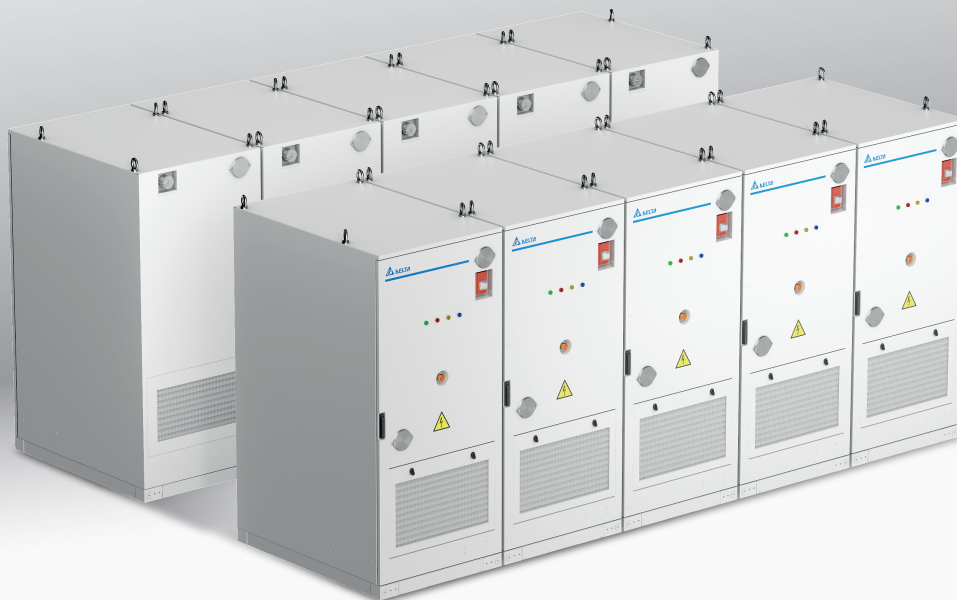
Factories



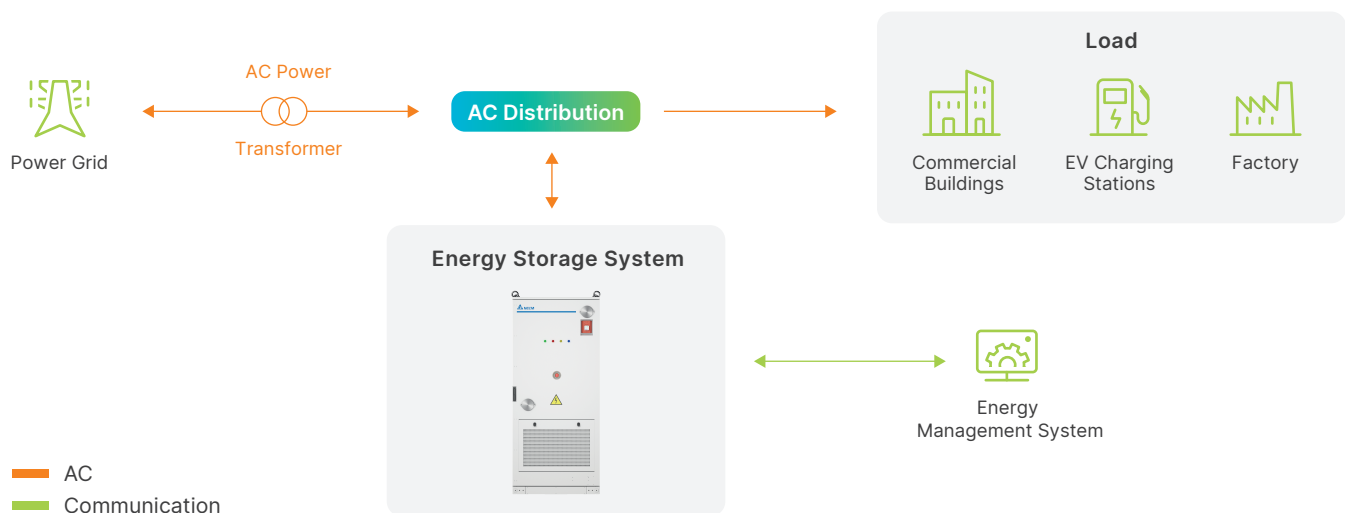
Quick Setup, Scalable, Ready for Tomorrow's Needs

DELterra C is an integrated, full-featured energy storage solution tailored for commercial and industrial applications. It seamlessly combines a Power Conversion System (PCS), advanced liquid-cooling technology, high-performance battery packs, and an unit controller to ensure effortless installation

and superior performance. Scalable up to 10 units, DELterra C offers exceptional flexibility, reliability, and versatility, making it the ideal choice for diverse energy storage needs.



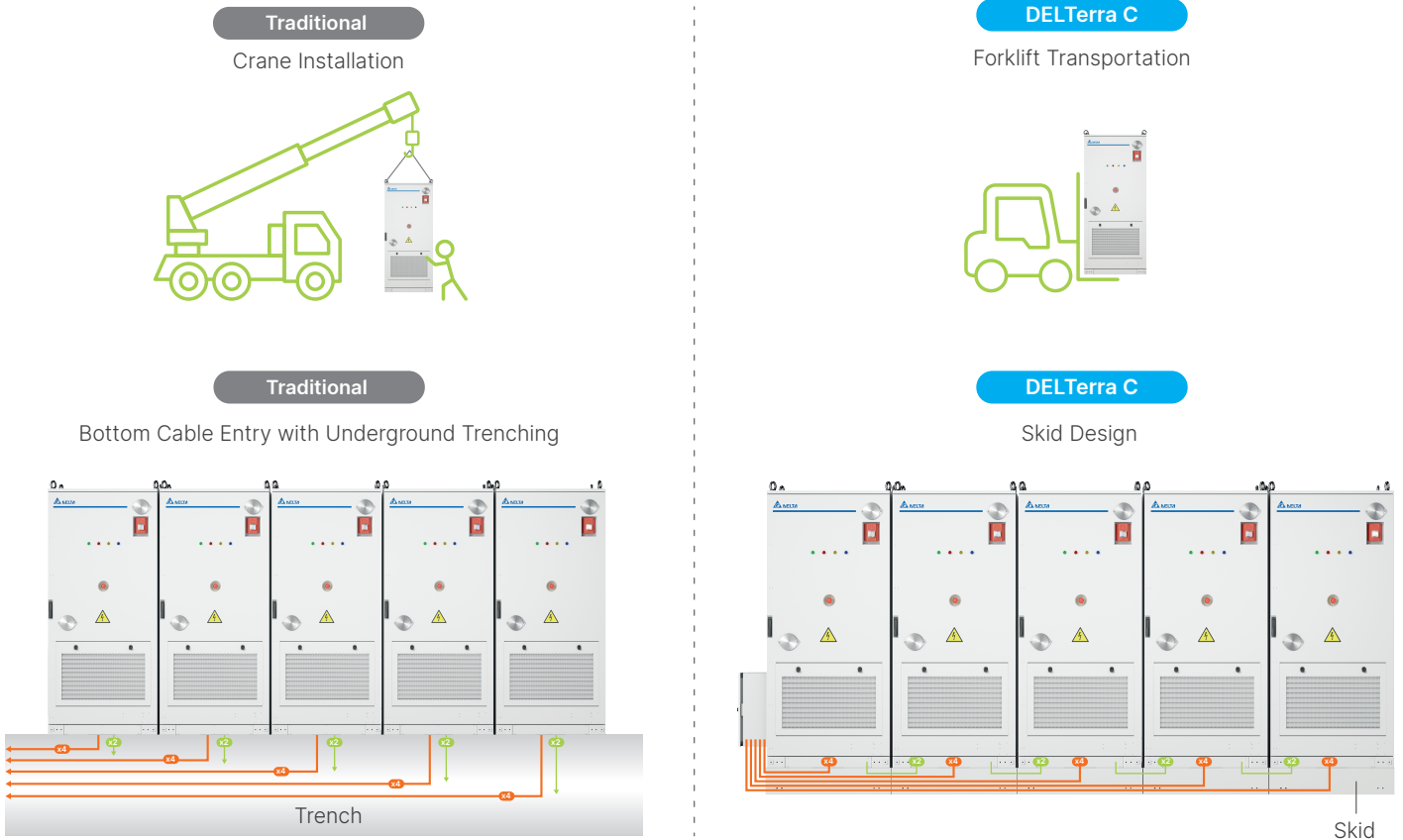
System Architecture



Feature Highlights

Easy and Quick Installation

Designed for forklift transportation and quick installation, the system requires no trenching for cables, significantly reducing on-site construction time and labor costs.



Top-Level Safety Protection

Our advanced storage system features LFP 314 Ah cells and liquid cooling for optimal performance and longevity. With fire safety measures like gas venting and water immersion protection, it ensures maximum safety, reliability, and efficiency.

LFP 314 Ah Cell



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

Multi-level Fire Safety



- Gas-venting valve
- Water immersion fire protection
- Gas-venting valve
- Built-in heat, smoke, flammable gas detectors, and fire aerosol

Intelligent Battery Management

In addition to incorporating real-time State of Charge (SoC) calibration, our built-in unit controller supports multiple operation modes, ensuring efficient energy management and addressing diverse application needs.

Alternatively, the system can be controlled by an external EMS like **DeltaGrid®**. For details, please contact your Delta sales representative.



- On-grid/off-grid switching time < 20ms
- Easy integration with third-party EMS
- Automatic SoC calibration
- Intelligent DoD adjustment

Specifications

Model Name ⁽¹⁾	ESSS-EE124WX,EX ₂
General	
Rated AC Power	125 kW
Battery Capacity (BoL)	261 kWh
Efficiency	> 85% (excluding auxiliary power consumption)
On/Off Grid Switching Time	< 20 ms
Max. Number of Cabinets in Parallel	10 in on-grid operation and 5 in off-grid operation
User Interfaces	LED, Ethernet, EPO
Communication	Modbus TCP/IP
Cooling Method	Liquid
Electrical - AC Side	
Rated Voltage	400/230 Vac (3P4W+PE)
Voltage Range	-15% to +10%
Rated Frequency	50 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 to 949 Vdc
Rated Charge/Discharge Rate	0.5C
Environmental	
Maximum Altitude	2000 m
Operating Temperature	-20 to +50 °C
Operating Humidity	0% to 95% relative humidity, non-condensing
Mechanical	
Enclosure Rating	IEC 60529 IP 54
Dimensions (W x D x H)	1020 x 1470 x 2250 mm
Weight	< 2800 kg
Certifications	
Safety	IEC 62477, IEC 62619
EMC	IEC 61000-6-2, IEC 61000-6-4
Grid Connection Code ⁽²⁾	EN 50549

Notes:

(1) X₁ indicates the battery discharge time, X₂ 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, Hoofddorp, The Netherlands

Tel.: +31 20 655-0900

EVCSEMEA.Marketing@deltaww.com

www.delta-emea.com



2025 / 01

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.