Energy Storage Solution

Energy Storage Skid Solution

- All-in-one design for quick installation and minimum footprint
- Flexible and scalable configurations to meet current and future needs
- Optimal system safety to reduce risks and protect assets

EV Charging Stations

Factories

Commercial Buildings

Microgrids

Faster Deployment with a Smaller Footprint

Integrated energy storage system for industrial and commercial applications

In response to carbon reduction trends and to ensure a stable electricity supply, industrial and commercial demand for the utilization of energy storage systems is increasing. However, users might hesitate on the investment due to limited space, long construction times, or high CapEx and OpEx.

Delta's modular and integrated energy storage solution can operate at 100-200 kW / 2.5-8 hrs or 125-250 / 2-6 hrs by leveraging LFP battery solutions. It can be configured according to current needs while reserving flexibility for future expansion.

DeltaGrid® EM Energy Management System

Digital O&M Services

24/7 monitoring for abnormality alerts and automatic work order dispatching.

Peak Shaving and ToU Arbitrage

Charges and discharges power based on time-of-use pricing and peak consumption to flatten the energy load profile.

Meter Tracking

Avoids demand penalties and optimizes both long-term contracted capacity and electricity costs.

Support EV Charging Stations

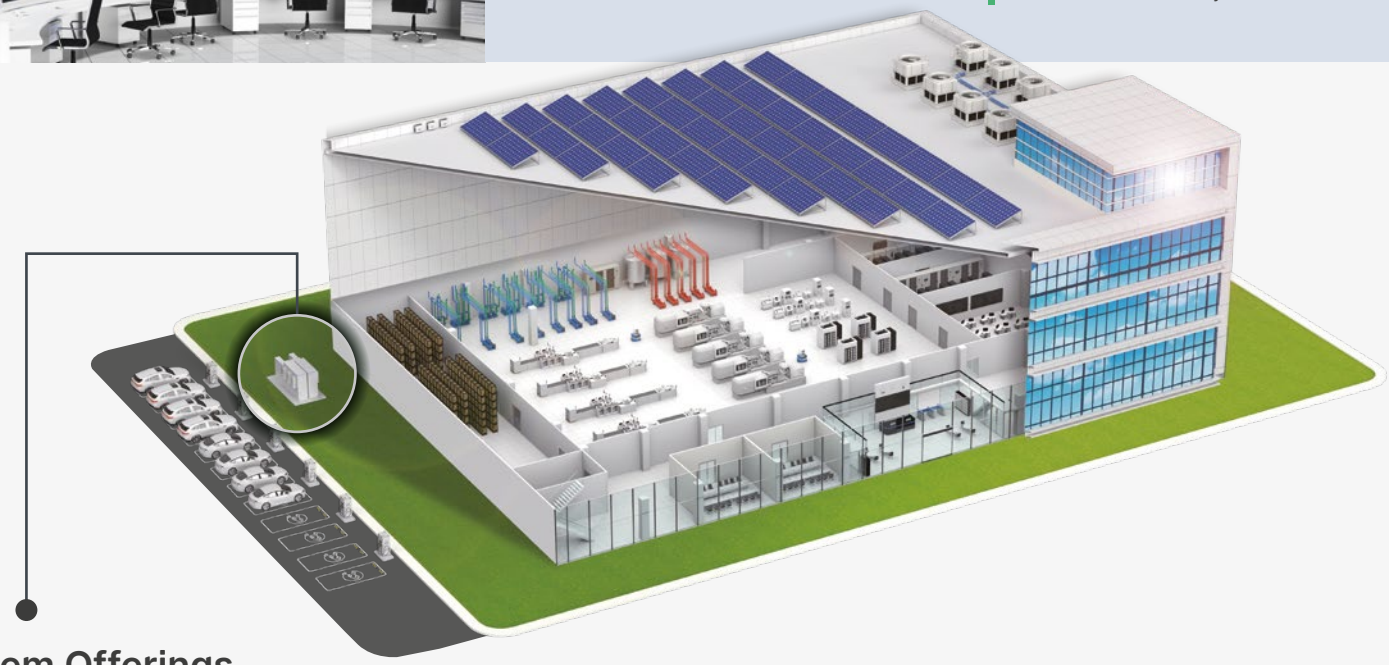
Increases the charging capacity while avoiding overload and safety issues on existing grid infrastructure.

Backup Power

Maintains a stable power supply in the event of an outage.

PV Self-Consumption

Utilizes surplus PV power and helps reduce the electricity bills.



System Offerings

100 kW - 2.5 hrs (IEC)
125 kW - 2 hrs (UL)

100 kW - 5 hrs (IEC)
125 kW - 4 hrs (UL)

100 kW - 8 hrs (IEC)
125 kW - 6 hrs (UL)

200 kW - 2.5 hrs (IEC)
250 kW - 2 hrs (UL)

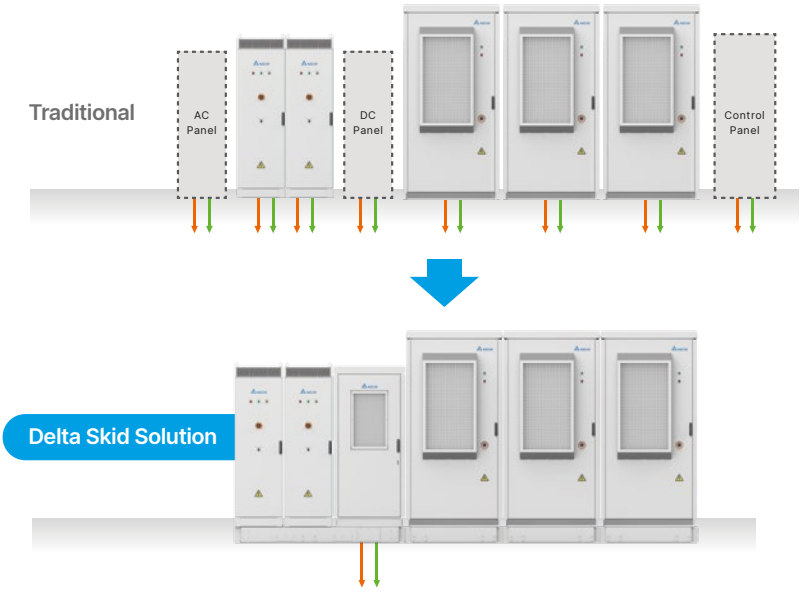
200kW - 4 hrs (IEC)
250kW - 3 hrs (UL)

Feature Highlights

All-in-One Design

Quick installation and minimum footprint

- Integrated wiring and cabinets in the skid. Only communication and DC lines need to be connected on-site.
- Pre-assembly and testing before leaving the factory, making delivery, installation, and maintenance easier.



Optimal System Protection

Reduces the risk of accidents and protects assets

- Battery management system (BMS) that can be monitored from the cell and module to system level.
- Anti-fire propagation and auto-fire suppression systems.
- Each cabinet is equipped with an HVAC unit, as well as temperature, smoke and flood sensors.

Flexible and Scalable Configuration

Meets both current and future needs

- Flexibly fits current needs while allowing for future expansion to reduce the cost of the initial investment.
- Supports parallel installation for higher power requirements.

System Configuration

Power Conditioning System (PCS)
100-kW or 125-kW PCS

Junction Cabinet
Built-in AC and DC connection panel, control panel, and communication systems.

Battery System
LFP battery with IEC and UL certification

Skid (with pre-assembled power and communication cables)

Specifications

LFP Battery Energy Storage Solutions – IEC

Model	EIS-EE100K2HE	EIS-EE100K5HE	EIS-EE100K8HE	EIS-EE200K2HE	EIS-EE200K4HE
Configuration					
PCS	Delta PCS100HV				
Battery	Delta Battery Cabinet (EVE 280 Ah cell)				
System Capacity	100 kW - 2.5 hours	100 kW - 5 hours	100 kW - 8 hours	200 kW – 2.5 hours	200 kW - 4 hours
AC Usable Energy (BOL)	264.3 kWh	534.6 kWh	804.2 kWh	528.6 kWh	804.2 kWh
Install Energy (BOL)	315.3 kWh	630.6 kWh	946.2 kWh	630.6 kWh	946.2 kWh
PCS / Battery Cabinet Q'ty	1 / 1	1 / 2	1 / 3	2 / 2	2 / 3
Dimension (W x D x H)	3360 × 1428 × 2640 mm	4580 × 1428 × 2640 mm	5800 × 1428 × 2640 mm	4580 × 1428 × 2640 mm	5800 × 1428 × 2640 mm

LFP Battery Energy Storage Solutions – UL

Model	EIS-UE125K2HE	EIS-UE125K4HE	EIS-UE125K6HE	EIS-UE250K2HE	EIS-UE250K3HE
Configuration					
PCS	Delta PCS125HV				
Battery	Delta Battery Cabinet (EVE 280 Ah cell)				
System Capacity	125 kW - 2 hours	125 kW - 4 hours	125 kW - 6 hours	250 kW – 2 hours	250 kW - 3 hours
AC Usable Energy (BOL)	264.3 kWh	534.6 kWh	804.2 kWh	528.6 kWh	804.2 kWh
Install Energy (BOL)	315.3 kWh	630.6 kWh	946.2 kWh	630.6 kWh	946.2 kWh
PCS / Battery Cabinet Q'ty	1 / 1	1 / 2	1 / 3	2 / 2	2 / 3
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* Specifications are subject to change without prior notice.

Certificates

System	Certificate
PCS	• PCS100HV: IEC 62477-1, IEC/EN 61000-6-2, IEC/EN 61000-6-4, AU4777.2-2020, VDE4105, G99, EN 50549-1, CE mark • PCS125HV: UL1741, FCC Part 15 class A, IEEE1547-2018/IEEE1547.1-2020
Junction Cabinet	CE mark
Battery System/ Cabinet	IEC 62619, UN38.3, CE mark

More information

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2023 / 07