

BESS PowerPack LC

125 kW/261 kWh

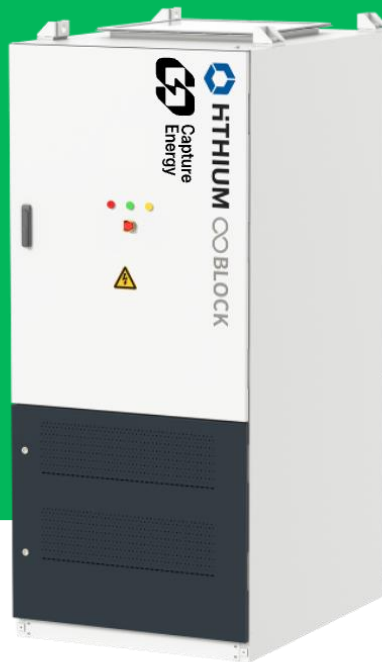
400 VAC

Bringing Good Energy to Your
Business



Technical Datasheet

BESS PowerPack LC 125 kW/261 kWh, 400 VAC



Power **125 kW**

AC Connection **3P3W+PE**

Energy **261 kWh**

Dimensions **Cabinet**
1000x1350x2380 mm

Voltage **400 VAC**

Weight **≤ 2.7 t**



Modular, all-in-one design



Ready for the Nordic flexibility market



Advanced battery technology
and liquid cooling



Small form factor and Quick deployment



Designed for Nordic climate
Able to operate down to -30 °C



Robust security powered by our Nordic-
developed Capture Controller

Technical Specification

BESS PowerPack LC 125 kW/261 kWh, 400 VAC

DC Data

Rated Energy	261 kWh
Rated Voltage	832 V
Voltage Range	715 V – 923 V
String Configuration	1P260S
Number of Strings	1
Cell Cycle Life	>10000 cycles (70 %SOH, 0.5C/0.5C, 25 °C)
Thermal Management	Liquid cooling
Cell Specification	3.2 V/314 Ah
Cell Chemistry	Lithium Iron Phosphate (LFP)

AC Data

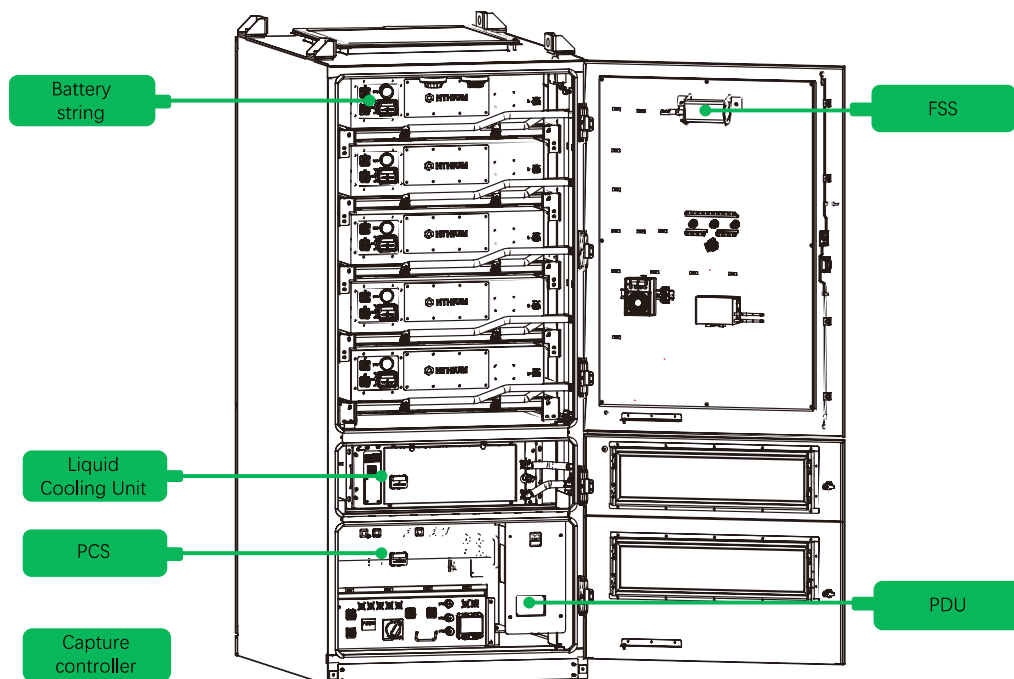
Rated Power	125 kW
Rated Voltage	400 V
Grid Voltage Range	~ 360 – 440 V
AC Current	180 A
Output THDi	<3 % (rated power)
Power factor	-1 to 1 leading or lagging (adjustable)
Output	3 Phase, 3 Wire, PE

General Data

Dimension (without clearances)	1000x1350x2380 mm
Weight	2.7 t
Certification	CE, IEC 62619, IEC 62477, IEC 61000 IEC 63056, UL 9540A
Ingress Protection Class	IP55 (IP67 battery pack, IP65 inverter)
Operating Ambient Temperature	-30 to +55 °C
Maximum Working Altitude	4000 m (derate if more than 2000 m)
Thermal Management	Liquid (Batteries), Forced air (inverter)
Fire Supression System	Aerosol
Communication	Modbus, MQTT (through Capture Controller)
Connectivity	Ethernet, dual 4G/3G (with failover)
Self-discharge	<3 %/month

System Topology

BESS PowerPack LC 125 kW/261 kWh, 400 VAC

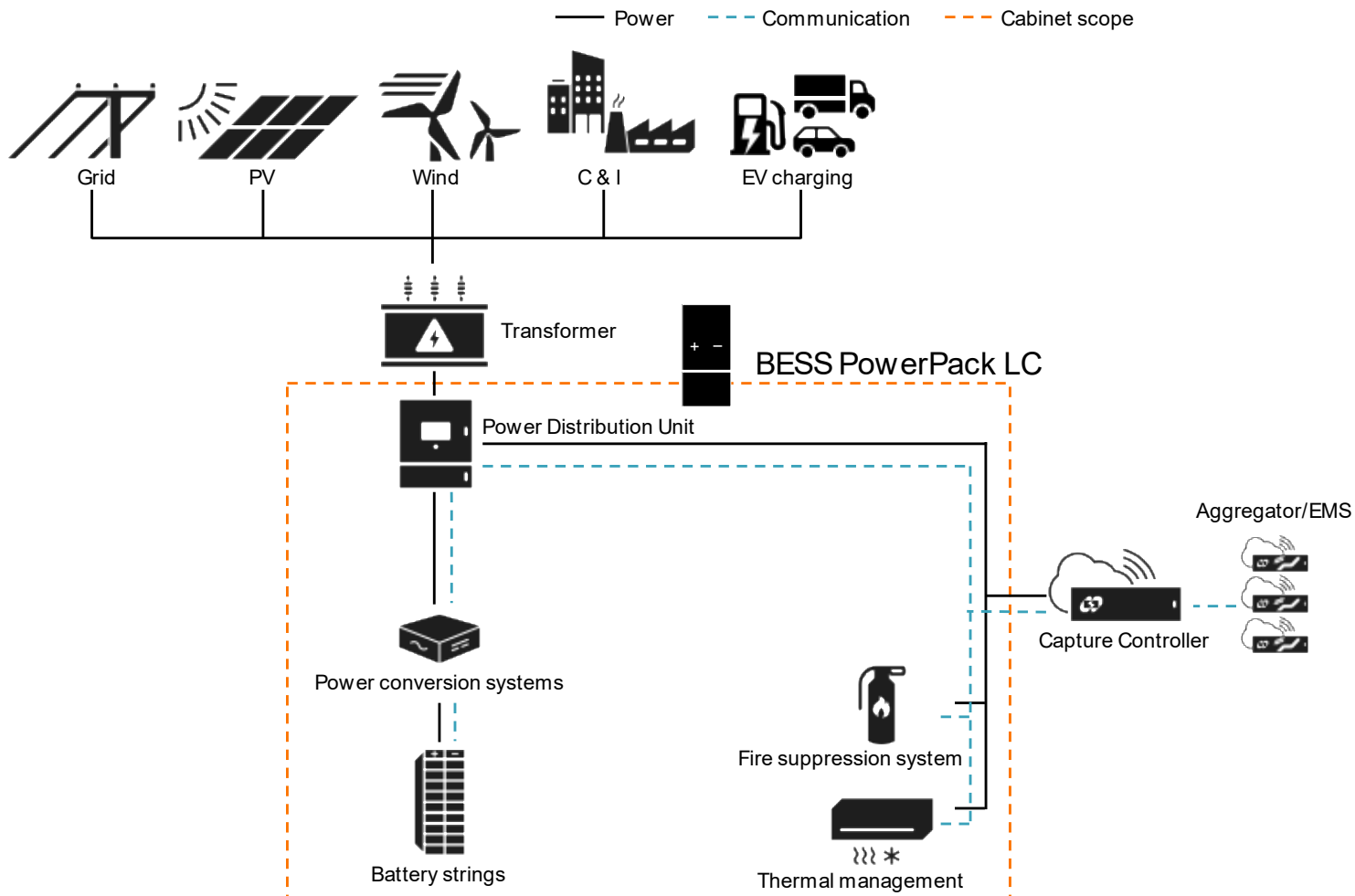


Abbreviations

PCS **Power Conversion System**

FSS **Fire Suppression System**

PDU **Power Distribution Unit**



Capture Controller

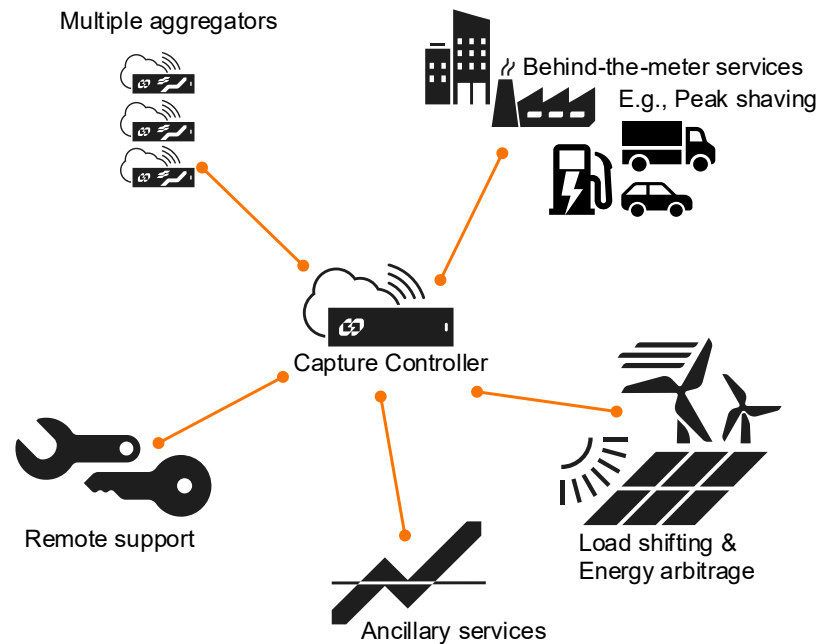
Energy Management Information System (EMIS) with fast response time and support for multiple aggregators locally on site. Integrated with 15+ aggregators and energy management systems.

Secure control with integrated firewall and redundant internet connections to always stay secure and connected.

Advanced features enable optimal remote support, minimizing the need for on-site service visits.

All sensors required for ancillary services are pre-installed for easy installation and quickly start generating revenue.

Support for behind-the-meter services by integrating remote sensors, control for other assets on site, and third-party energy management systems.



Capture Cloud

Cloud-based asset management for financial insights, remote support, and a multitude of other tools and features to maximize uptime of the BESS and market performance.

Customer Portal

Analyze investments and ownership of BESS Products and Services.

Partner Portal

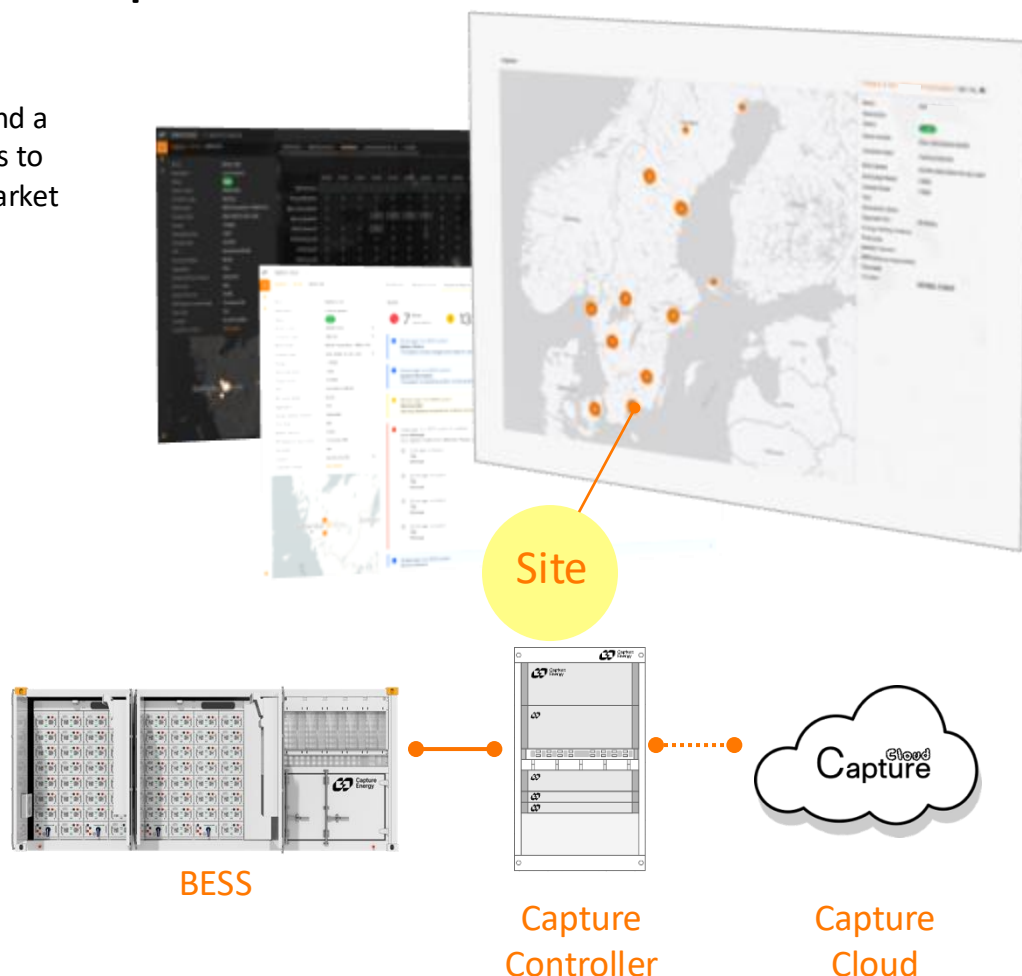
Comprehensive tools for administering your customers and installations.

Aggregator Portal

Analyze revenue trends and assess service levels delivered to customers.

CE Operations Portal

Secure BESS optimized operations services and asset management.



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**Notes**

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