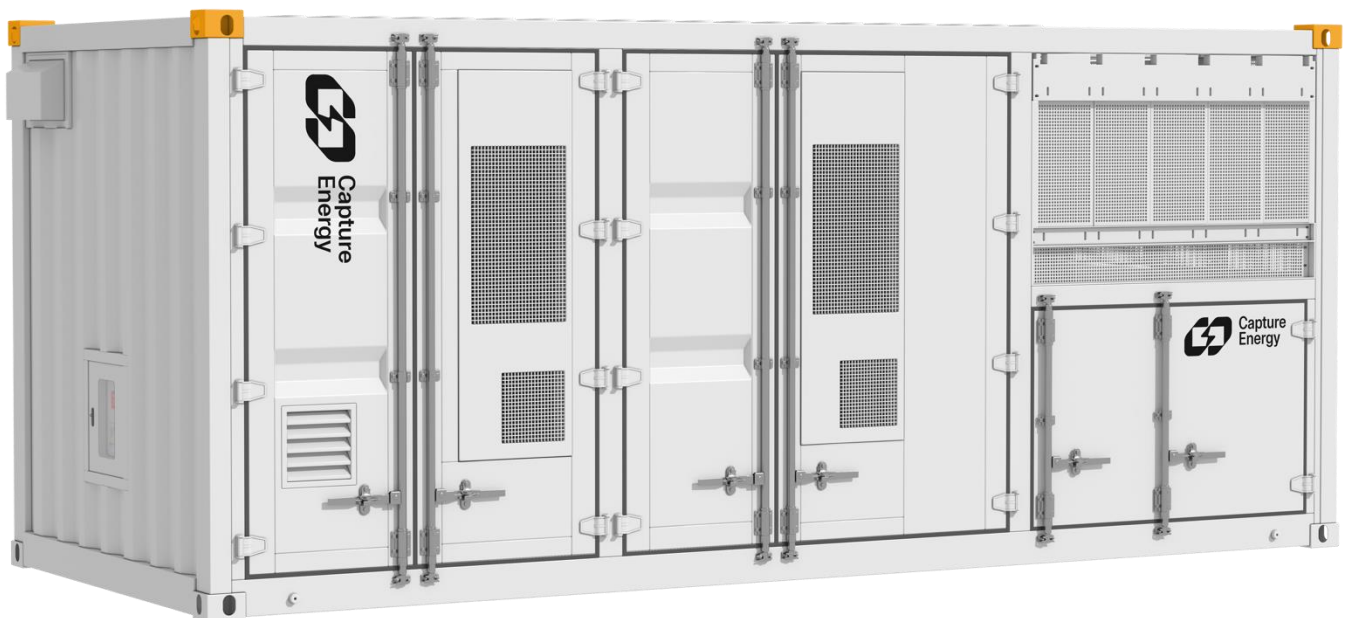


BESS PowerBox

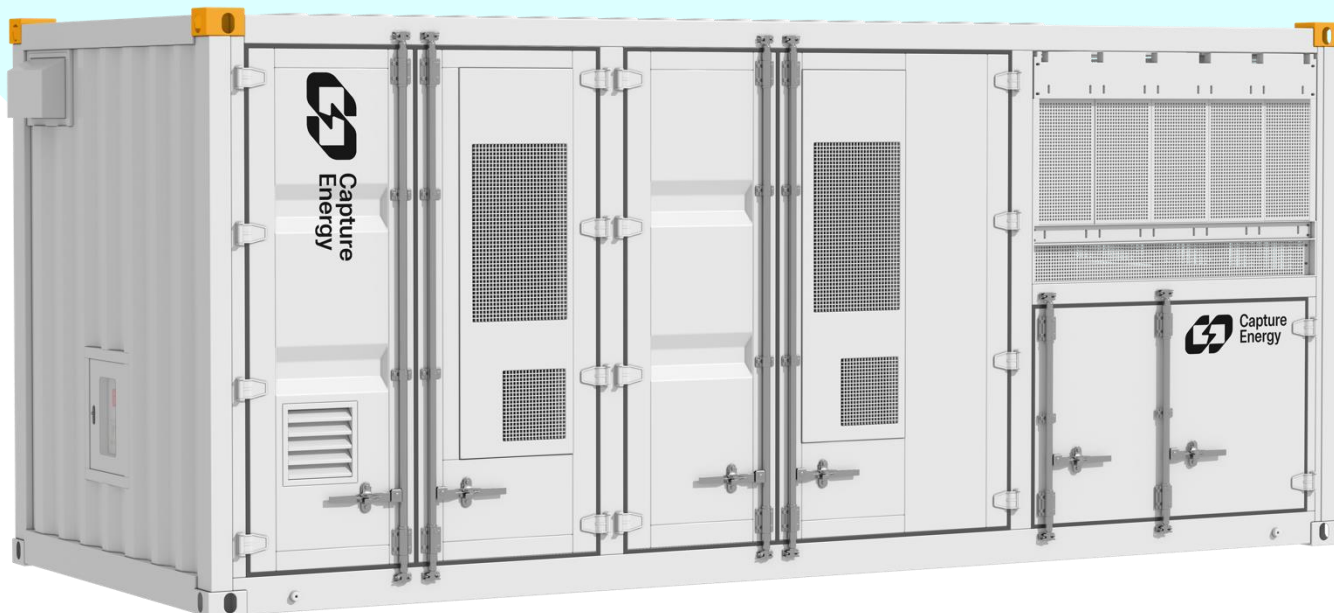
1 MW/1.1 MWh
400 VAC

Bringing good energy
to your business



Technical Datasheet

BESS PowerBox 1 MW/1.1 MWh, 400 VAC
BESS PowerBox 0.5 MW/0.55 MWh, 400 VAC



Power **1.1 MW**
0.5 MW

AC Connection **3P3W+PE**

Energy **1.1 MWh**
0.55 MWh

Dimensions **20 ft container**
6058x2438x2591 mm

Voltage **400 AC**

Weight **19.5 t**
13 t



Modular, all-in-one design



Ready for the ancillary and
behind-the meter services



Advanced battery technology
with high safety



Easy to install



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



Robust security powered by our Nordic-
developed Capture Controller

Technical Specification

BESS PowerBox 1 MW/1.1 MWh, 400 VAC

BESS PowerBox 0.5 MW/0.55 MWh, 400 VAC



DC Data	1 MW/1.1 MWh	0.5 MW/0.55 MWh
Rated Energy	MWh 1105 kWh	552 kWh
Rated Voltage	768 V	
Voltage Range	672 V – 852 V	
String Configuration	2P240S	
Number of Strings	8	4
Cell Cycle Life	5000 cycles (80 %SOH, 1C/1C, 25 °C)	
Cell Specification	3.2 V/90 Ah	
Cell Chemistry	Lithium Iron Phosphate (LFP)	
AC Data		
Rated Power	1000 kW (8x125 kW)	500 kW (4x125 kW)
Rated Voltage	400 V	
Grid Voltage Range	-15% - +10% (configurable)	
AC Current	1443 A	722 A
Output THDi	<3 %	
Power factor	- 1 to +1	
Output	3 Phase, 3 Wire, PE	
General Data		
Dimension (without clearances)	6058x2438x2591 mm	
Weight	19.5 t	13 t
P-rate / C-rate	1 (1 hour)	
Available energy*	975 kWh	485 kWh
Certification	CE, IEC 62619, IEC 63056, UL 9540A, EN 50549-1, EN 50549-2, UN 3536	
Ingress Protection Class	IP54	
Corrosion Class	C5	
Operating Ambient Temperature	-30 to + 40 °C	
Maximum Working Altitude	2000 m (non-derating)	
Thermal Management	Forced air (integrated HVAC)	
Fire Suppression System	Aerosol, Water	
Communication	Modbus, MQTT (through Capture Controller)	
Connectivity	Ethernet, dual 4G/3G (with failover)	
Self-discharge	<3 %/month (fully charged, shut down)	

System Topology

BESS PowerBox 1 MW/1.1 MWh, 400 VAC

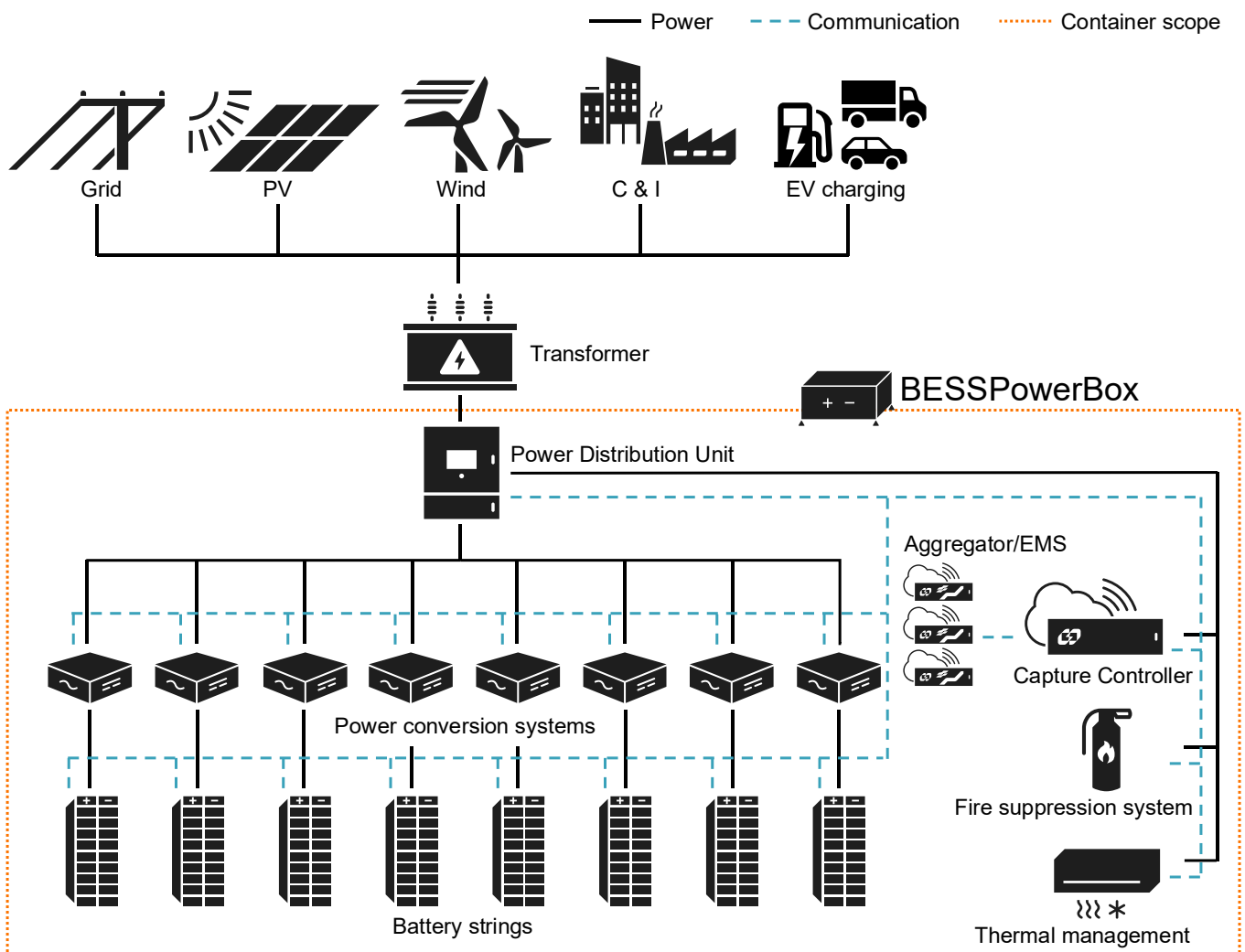


Abbreviations

FSS **Fire Suppression System**

PCS **Power Conversion System**

PDU **Power Distribution Unit**



Capture Controller

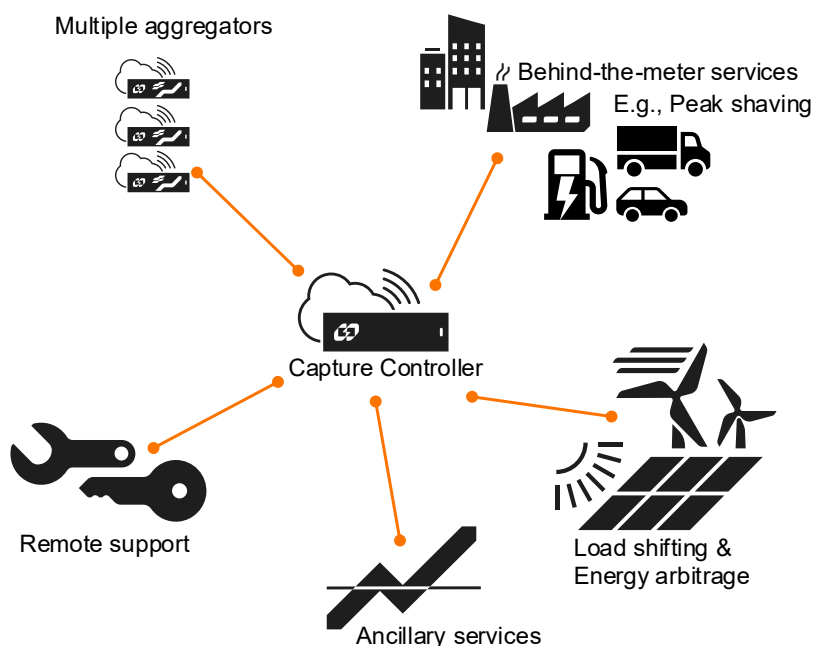
Energy Management Information System (EMIS) with fast response time and support for multiple aggregators locally on site. Integrated with 15+ aggregators and energy management systems.

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

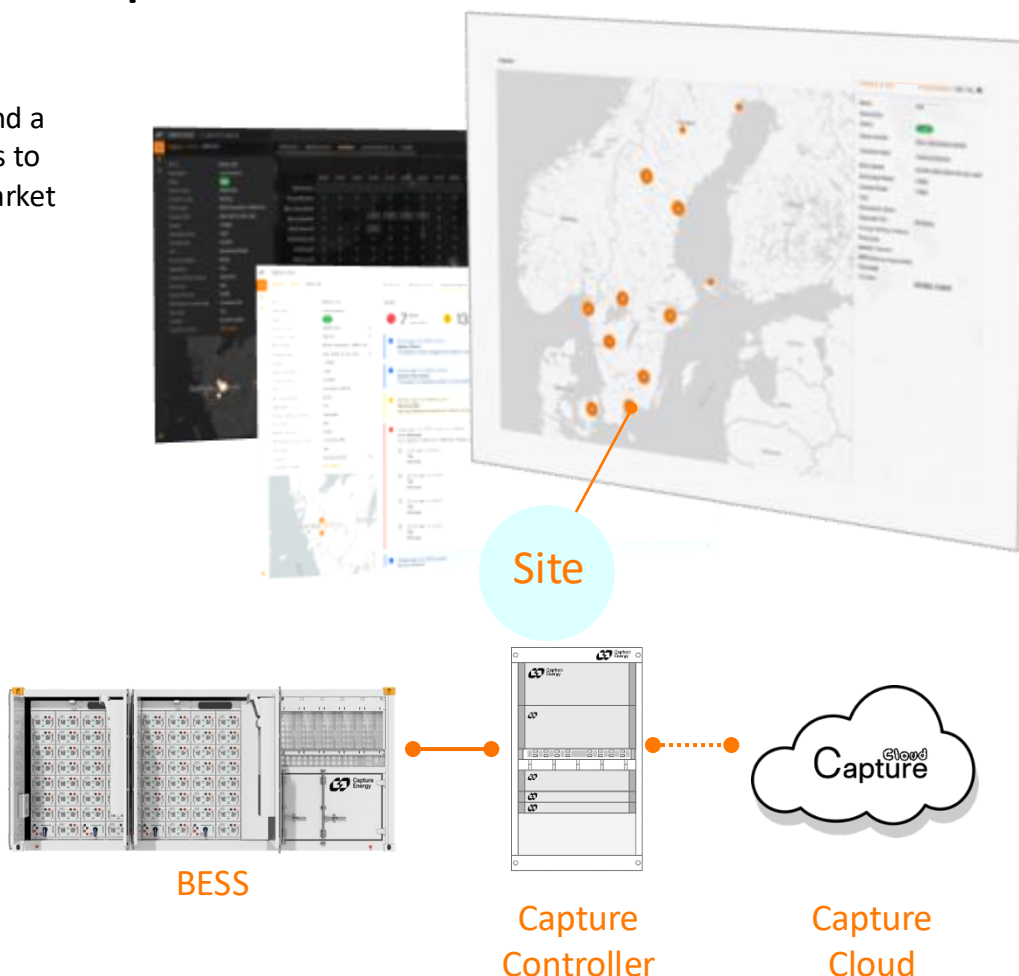
Comprehensive tools for administering your customers and installations.

Aggregator Portal

Analyze revenue trends and assess service levels delivered to customers.

CE Operations Portal

Secure BESS optimized operations services and asset management.



Contact

Sweden

Capture Energy AB

Lilla Bommen 3

411 04 Göteborg

Sweden

Capture Energy AB

Götgatan 78

118 30 Stockholm

Sweden

Norway

Capture Energy AS

Dokka 6

1671 Fredrikstad

Norway

Denmark

Capture Energy ApS

Tinghusgade 43

5700 Svendborg

Denmark

Finland

Capture Energy Oy

Mikonkatu 9

00100 Helsinki

Finland

mail@captureenergy.eu



Notes

All products are for delivery in Europe. The information in this document may be incomplete, out of date and may contain typographical errors. Capture Energy reserves the right to make changes in specifications and other information without prior notice, and the reader should in all cases consult Capture Energy to determine whether any such changes have been made.

© Capture Energy 2025. All rights reserved.