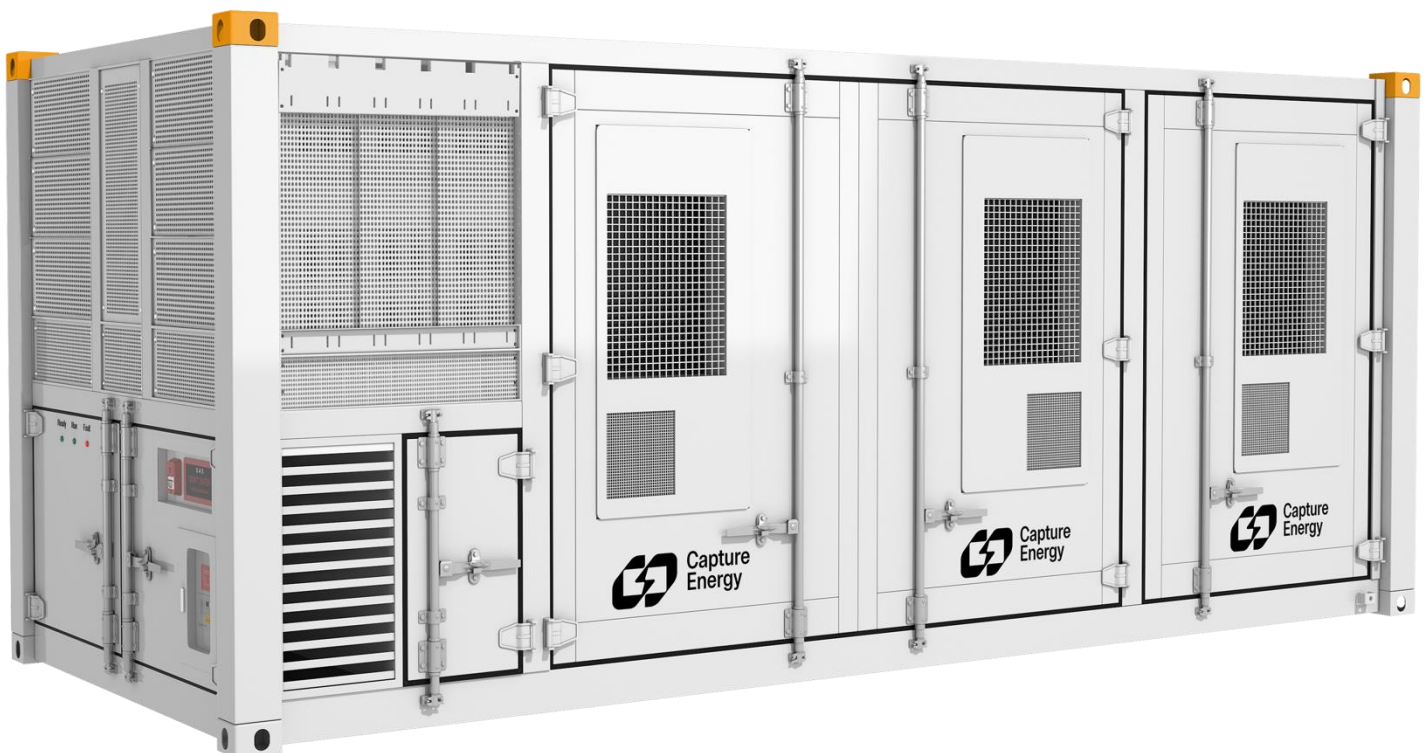


BESS PowerBox

1.2 MW/2 MWh
690 VAC

Bringing good energy
to your business



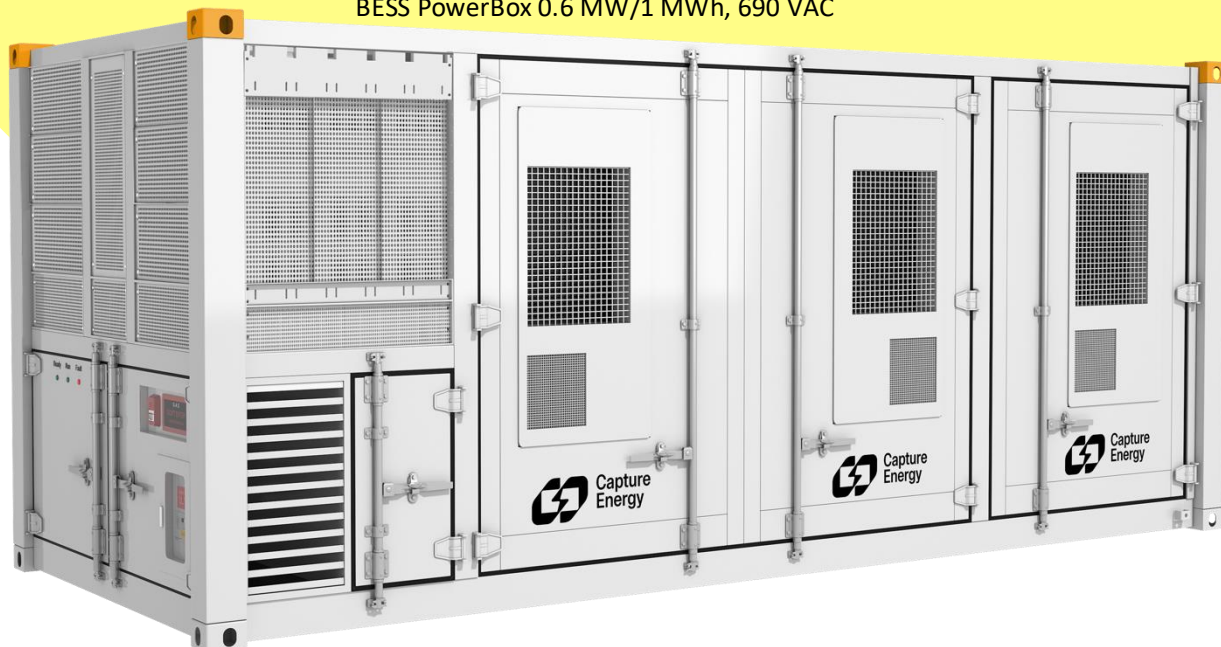
Technical Datasheet

BESS PowerBox 1.2 MW/2 MWh, 690 VAC

BESS PowerBox 1 MW/1.7 MWh, 690 VAC

BESS PowerBox 0.8 MW/1.35 MWh, 690 VAC

BESS PowerBox 0.6 MW/1 MWh, 690 VAC



Power **1.2 MW**
1 MW, 0.8 MW, 0.6 MW

AC Connection **3P3W+PE**

Energy **2 MWh**
1.7 MWh, 1.35 MWh, 1 MWh

Dimensions **20 ft container**
6058x2438x2591 mm

Voltage **690 AC**

Weight **26.5 t**
23.5 t, 20.5 t, 17.5 t



Modular, all-in-one design



Ready for the ancillary and
behind-the meter services



Advanced battery technology
with high safety



Easy to install



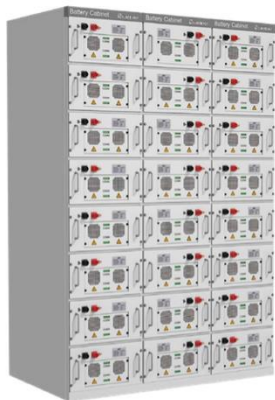
Designed for Nordic climate
Able to operate down to -20 °C



Robust security powered by our Nordic-
developed Capture Controller

Technical Specification

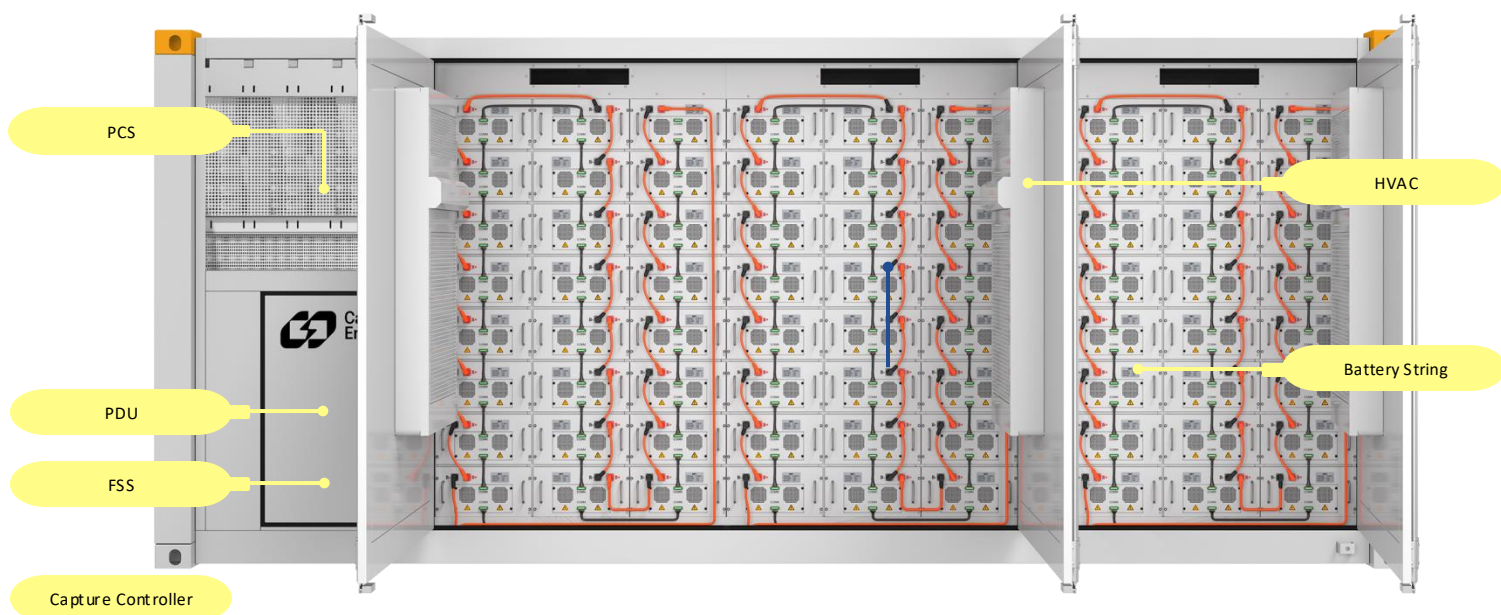
BESS PowerBox 1.2 MW/2 MWh, 690 VAC



DC Data	1.2 MW/2 MWh	1 MW/1.7 MWh	0.8 MW/1.35 MWh	0.6 MW/1 MWh
Rated Energy	2064 kWh	1720 kWh	1376	1032
Rated Voltage	1228.8 V			
Voltage Range	1075.2 V – 1363.2 V			
String Configuration	384S1P			
Number of Strings	6	5	4	3
Cell Cycle Life	5000 cycles (80 %SOH, 1C/1C, 25 °C)			
Cell Specification	3.2 V/280 Ah			
Cell Chemistry	Lithium Iron Phosphate (LFP)			
AC Data				
Rated Power	1200 kW	1000 kW	800 kW	600 kW
Rated Voltage	690 V			
Grid Voltage Range	586.5 – 759 V			
AC Current	1104 A	920 A	736 A	552 A
Output THDi	<3 %			
Power factor	0.1 – 1 leading or lagging (controllable)			
Output	3 Phase, 3 Wire, PE			
General Data				
Dimension (without clearances)	6058x2438x2591 mm			
Weight	26.5 t	23.5 t	20.5 t	17.5 t
P-rate / C-rate	0.6 (2 hour)			
Available energy*	1850 kWh	1550 kWh	1225 kWh	925 kWh
Certification	CE, IEC 62619, UL 9540A, EN 50549-1, EN 50549-2, UN 3536			
Ingress Protection Class	IP54			
Corrosion Class	C5			
Operating Ambient Temperature	-20 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 1.2 MW/2 MWh, 690 VAC

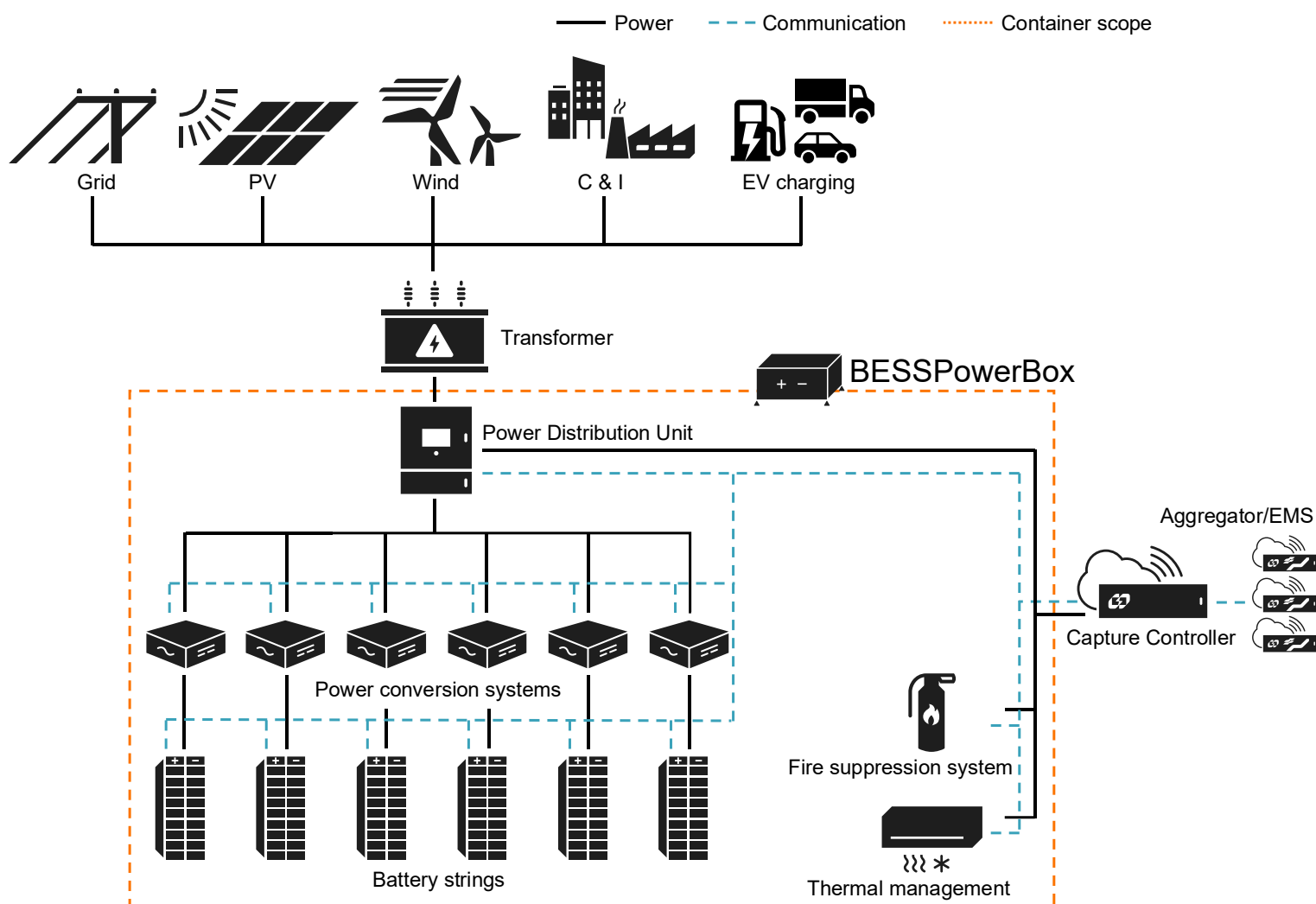


Abbreviations

FSS **Fire Suppression System**

PCS **Power Conversion System**

PDU **Power Distribution Unit**



Capture Controller

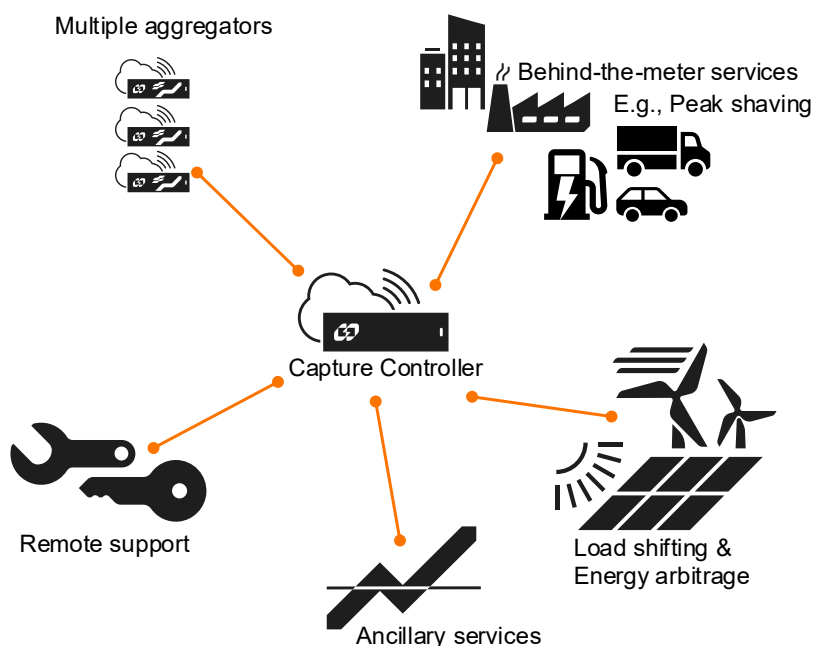
Energy Management Information System (EMIS) with fast response time and support for multiple aggregators locally on site. Integrated with 15+ aggregators and energy management systems.

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

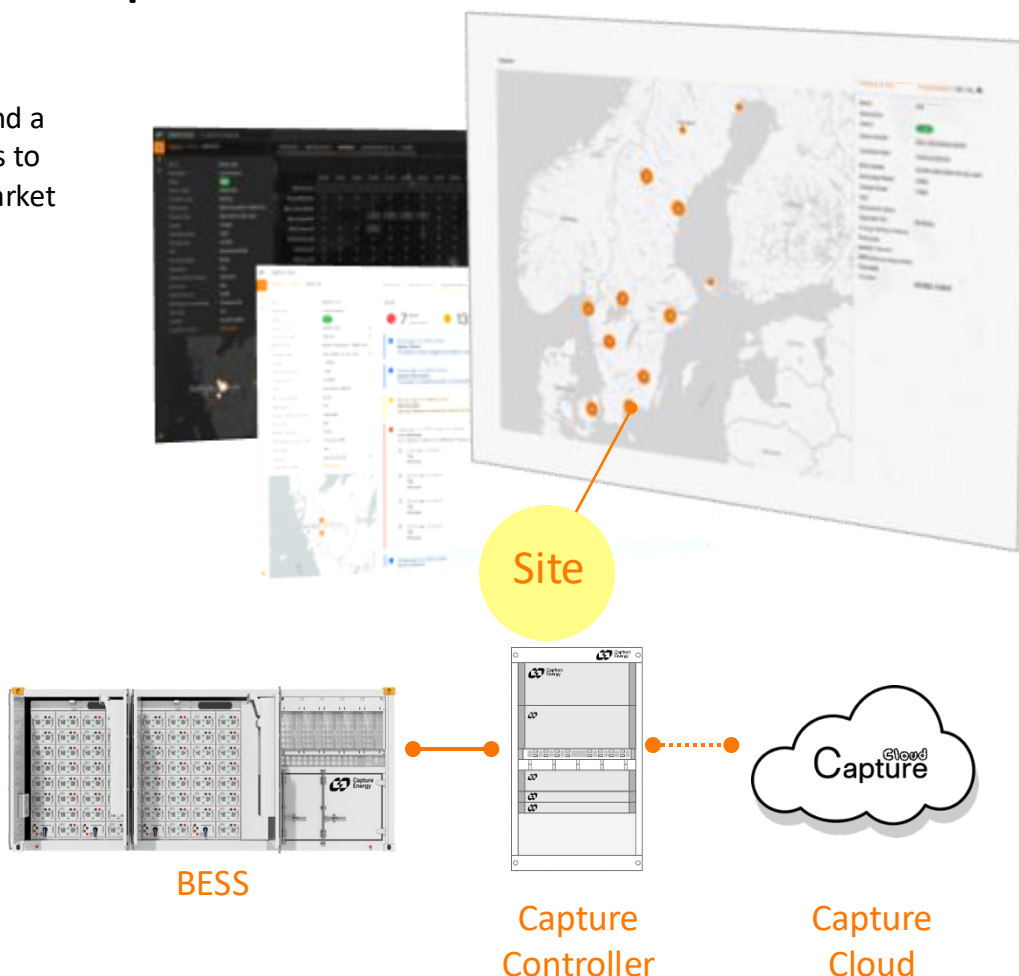
Comprehensive tools for administering your customers and installations.

Aggregator Portal

Analyze revenue trends and assess service levels delivered to customers.

CE Operations Portal

Secure BESS optimized operations services and asset management.



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Notes

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