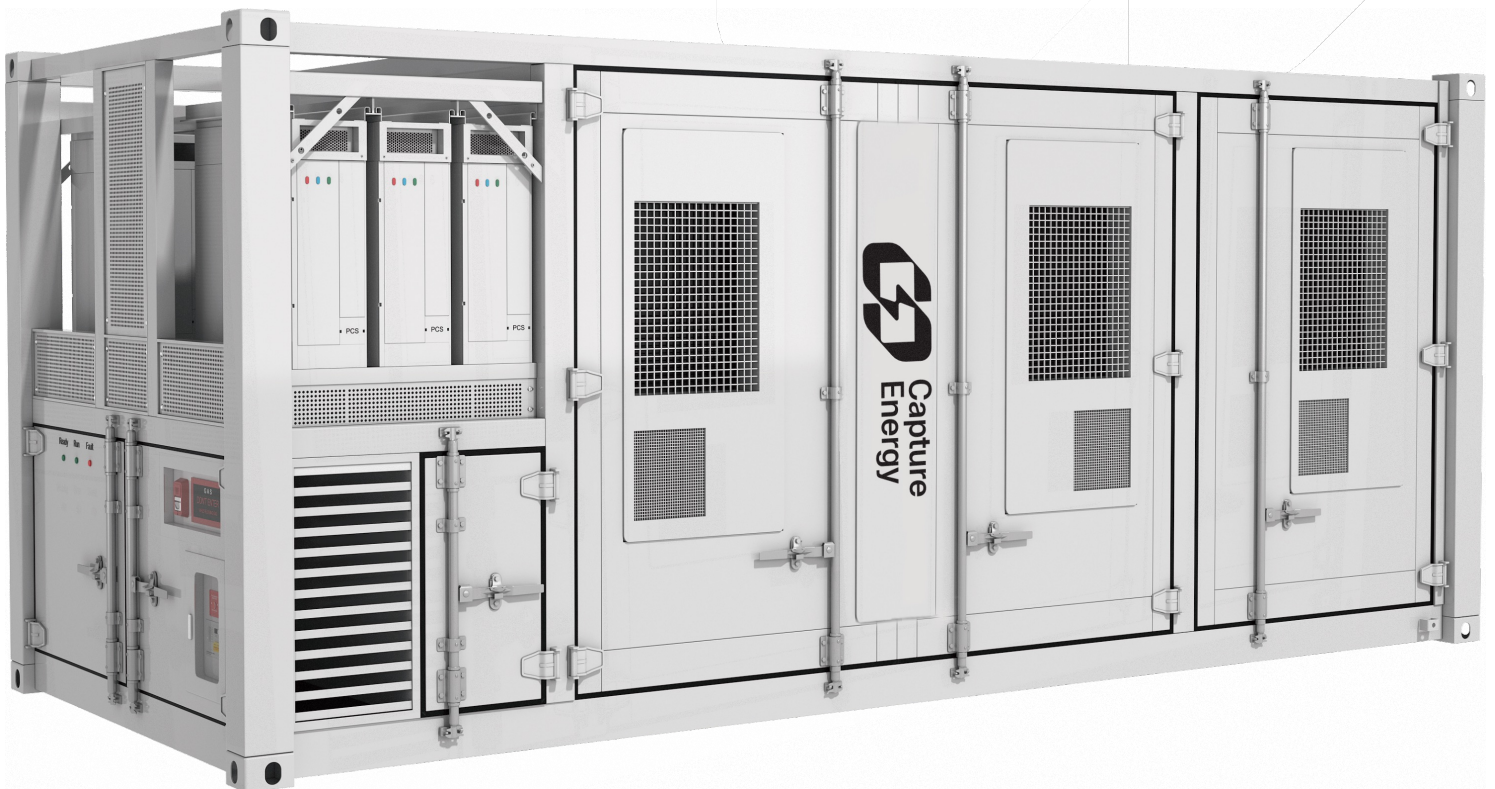


BESS PowerBox

1.2 MW/2 MWh
690 VAC

Bringing Good Energy to Your Business



Technical Product Sheet

BESS PowerBox 1.2 MW/2 MWh, 690 VAC



Energy 2 MWh

AC Connection 3P3W+PE

Power 1.2 MW

Dimensions 20 ft container
6058x2438x2591 mm

Voltage 690 VAC

Weight 26.5 t



Modular, all-in-one design



Ready for the Nordic flexibility market



Advanced battery technology



Quick deployment

Meet our BESS PowerBox—an all-in-one battery energy storage system tailored for the flexibility market, and beyond. Packed with advanced lithium-ion battery tech, Nordic control, PCS, cloud connectivity, and aggregator services, it offers seamless integration and adaptability for fast deployment in any application, including FFR and FCR-D. Built tough for industrial environments, it ensures reliable performance.

By using our Capture Controller, we ensure smooth operation for all parties, from customers to installers and aggregators. It comes pre-installed with every delivery.

Our system is designed with safety as the top priority. Using safe and durable LFP chemistry, a multilayered BMS, and an integrated fire suppression system, it offers an unprecedented level of safety.

Technical Specification

BESS PowerBox 1.2 MW/2 MWh, 690 VAC

DC Data

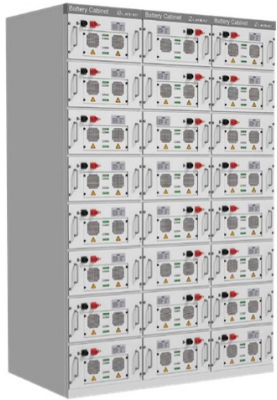
Rated Energy	2064 kWh
Rated Voltage	1228.8 V
Voltage Range	1075.2 V – 1363.2 V
String Configuration	384S1P
Number of Strings	6
Cell Cycle Life	5000 cycles (80 %SOH, 0.5C/0.5C, 25 °C)
Cell Specification	3.2 V/280 Ah
Cell Chemistry	Lithium Iron Phosphate (LFP)

AC Data

Rated Power	1200 kW
Maximum power	1320 kW
Rated Voltage	690 V
Grid Voltage Range	586.5 – 759 V
AC Current	1104 A
Output THDi	<3 %
Power factor	0.1 – 1 leading or lagging (controllable)
Output	3 Phase, 3 Wire, PE

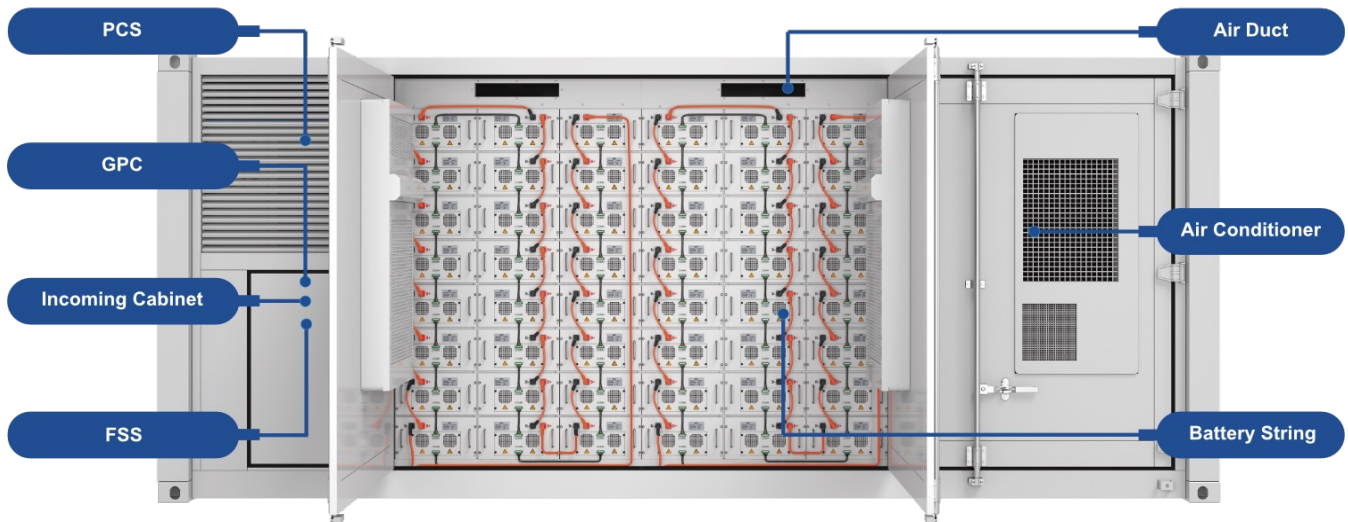
General Data

Dimension (without clearances)	6058x2438x2591 mm
Weight	26.5 t
Certification	CE, IEC 62619, UL 9540A, EN 50549-1, EN 50549-2, UN 3536
Ingress Protection Class	IP54
Operating Ambient Temperature	-20 - + 40 °C
Maximum Working Altitude	2000 m (non-derating)
Thermal Management	Forced air (integrated HVAC)
Fire Supression System	Novec 1230/FK 5-1-12
Communication	Modbus
Connectivity	Ethernet, 4G/3G
Self-discharge	<3 %/month (fully charged, shut down)

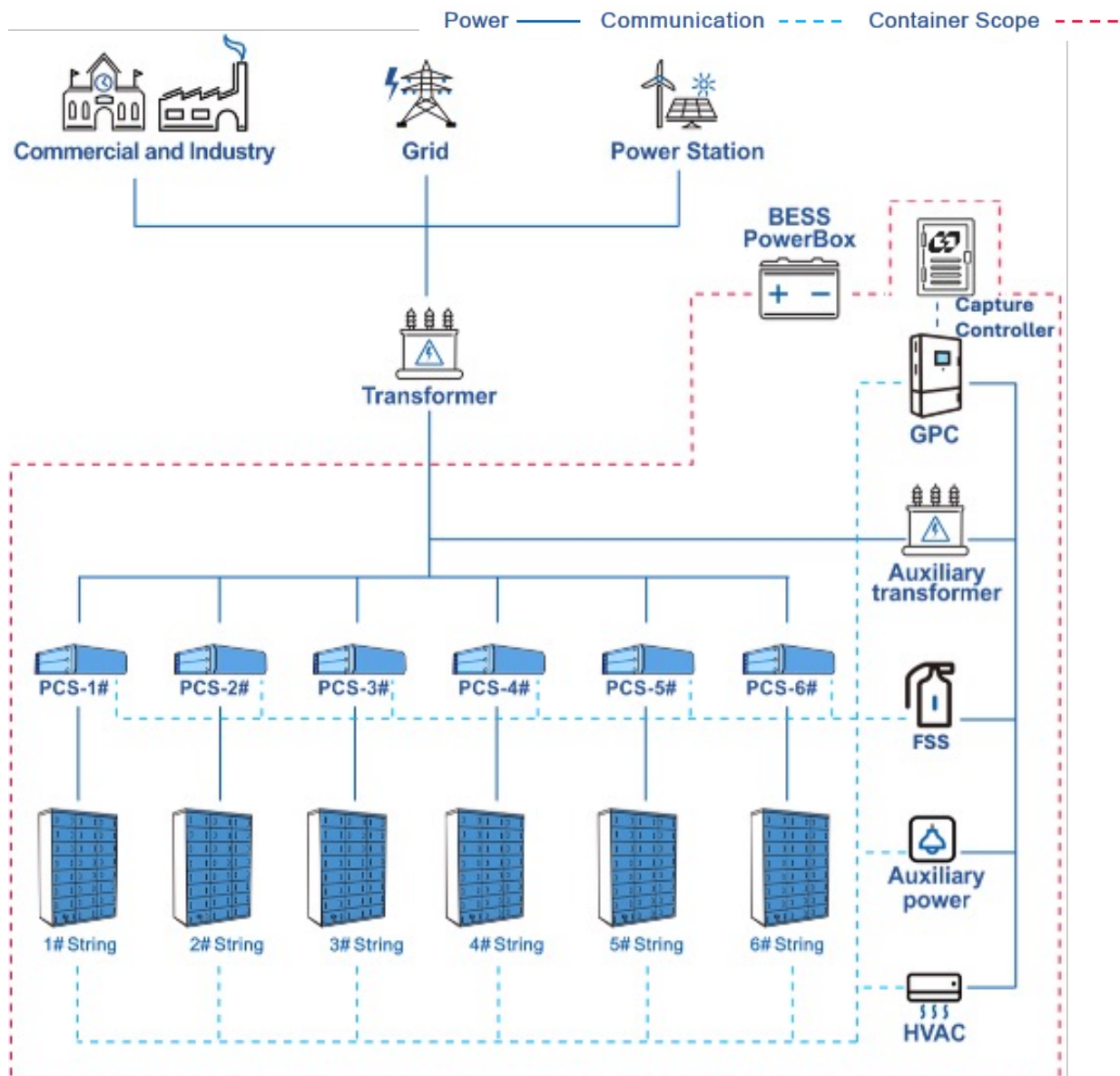


System Topology

BESS PowerBox 1.2 MW/2 MWh, 690 VAC



FSS Fire Supression System PCS Power Conversion System GPC Grid Point Controller



Contact

Capture Energy AB
C/O Arena Platinan
Mårten Krakowgatan 2
411 04 Göteborg
Sweden

Capture Energy Norge
Dokka 6
1671 Fredrikstad
Norway

Capture Energy AB
C/O Arena Skrapan
Götgatan 78
118 30 Stockholm
Sweden

Capture Energy Danmark
Tinghusgade 43
5700 Svendborg
Denmark

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.

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