

# PowerHub MV

2.5 MW/5 MWh

10-36 kVAC

Bringing good energy  
to your business



# Technical Datasheet

PowerHub MV 2.5 MW/5 MWh, 10-36 kVAC



## Battery container

Power **2.5 MW**

Energy **5 MWh**

Voltage **1500 VDC**

Weight **40 t**

## Power Station container

Power **Up to 4.6 MVA**

AC Connection **10-36 kV**

Transformer & Switchgear **Integrated**

Weight **18 t**



Scalable design for large installations



Ready for the ancillary and behind-the meter services



Advanced battery technology with high safety



State-of-the-art design with space efficient installations



Designed for Nordic climate  
Able to operate down to -25 °C



Robust security powered by our Nordic-developed Capture Controller

# Technical Specification

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## Battery Container Data

Model	Hithium ∞Block BESS Container
Rated Energy	5016 kWh
Rated Power	2500 kW
P-rate / C-rate	0.5 (2 hour)
Rated Voltage	1331.2 V
Voltage Range	1164.8 - 1497.6 V
String Configuration	416S2P
Number of Strings	6
Cell Cycle Life	>10 000 cycles (80 %SOH, 0.5C/0.5C, 25 °C)
Cell Specification	3.2 V/314 Ah
Cell Chemistry	Lithium Iron Phosphate (LFP)
Dimensions	6058x2438x2896 mm (20 ft high cube container)
Thermal Management	Liquid cooling
Weight	40 t

## Power Station Data

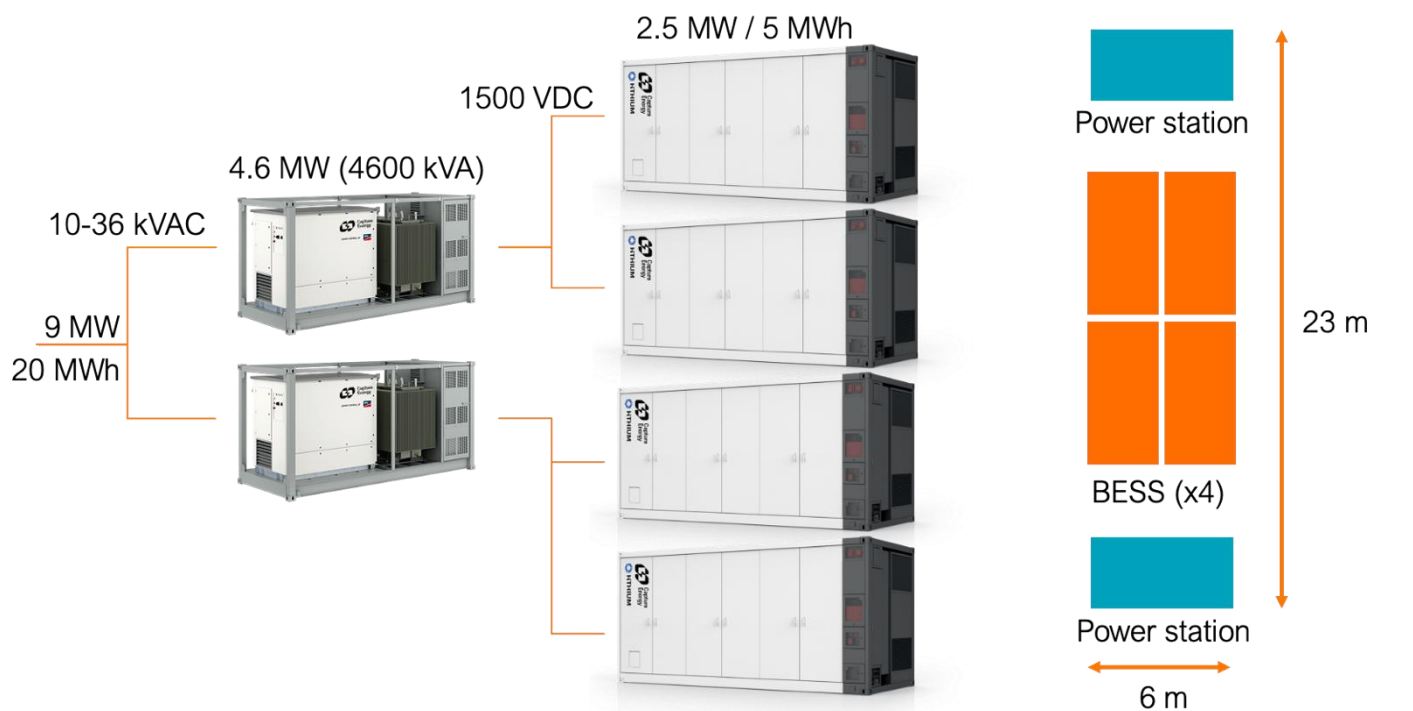
Model	SMA MVPS
Rated Power	Up to 4600 kVA
Grid AC Voltage range	10 – 36 kVAC
DC Voltage	Up to 1500 VDC
Transformer	Integrated
Switchgear	Integrated
Dimensions	6058x2438x2591 mm (20 ft container)
Weight	18 t

## General Data

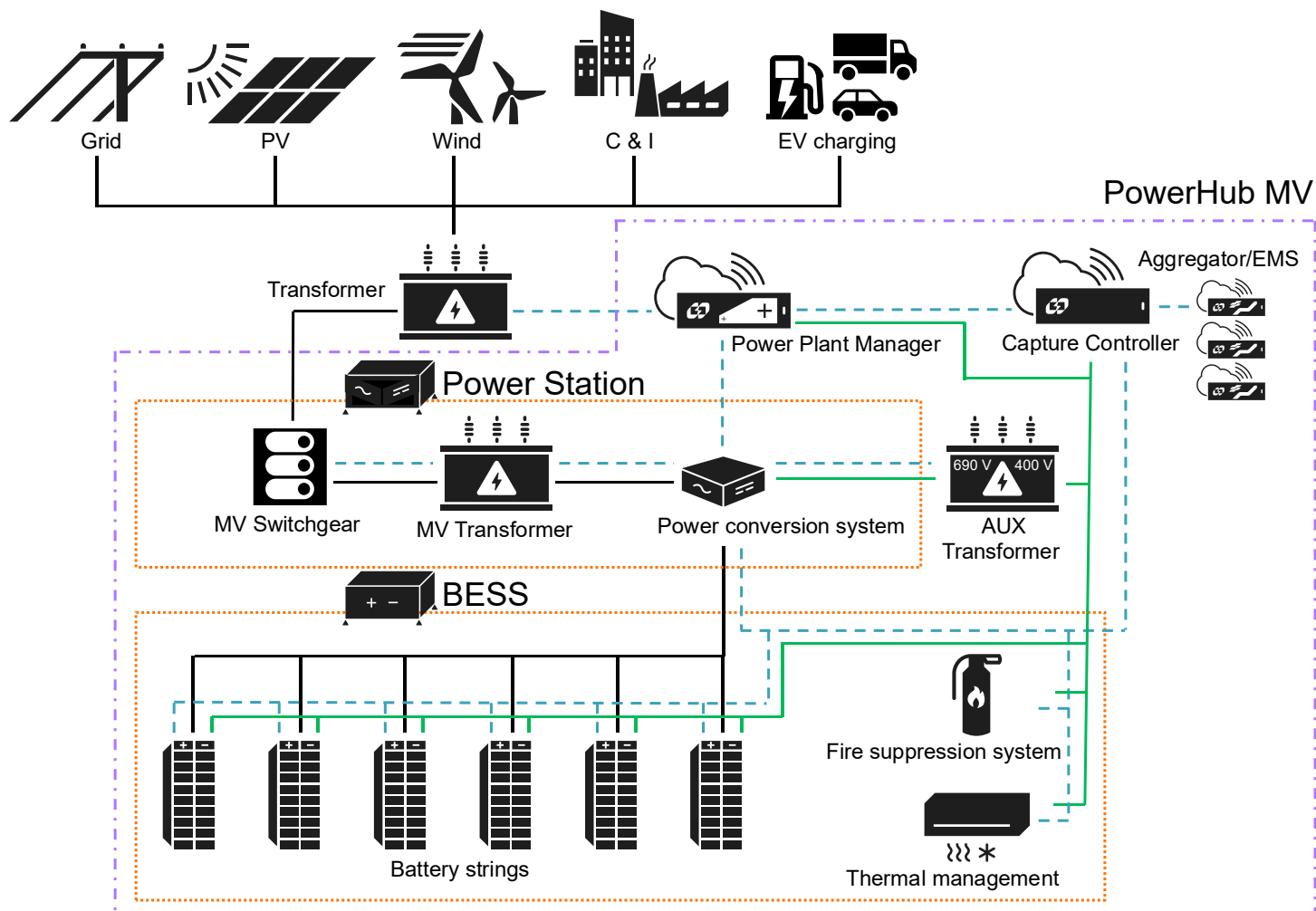
Certification	CE, IEC 62619, IEC 63056, IEC 62933-5-2, UL 9540A, EN 50549-1, EN 50549-2, UN 3536
Ingress Protection Class	IP55
Operating Ambient Temperature	-25 to + 45 °C
Fire Suppression System (BESS)	Aerosol, Water (optional)
Communication	Modbus, MQTT (through Capture Controller)
Connectivity	Ethernet, dual 4G/3G (with failover)

# System Topology

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— Power — AUX Power - - - Communication ..... Container scope - - - PowerHub MV scope



# Capture Controller

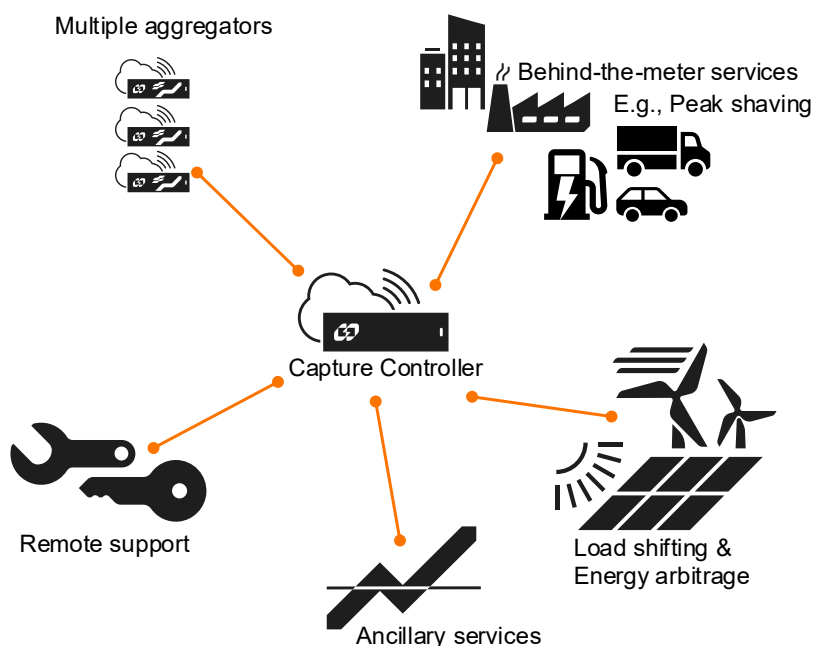
Energy Management Information System (EMIS) with fast response time and support for multiple aggregators locally on site. Integrated with 15+ aggregators and energy management systems.

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

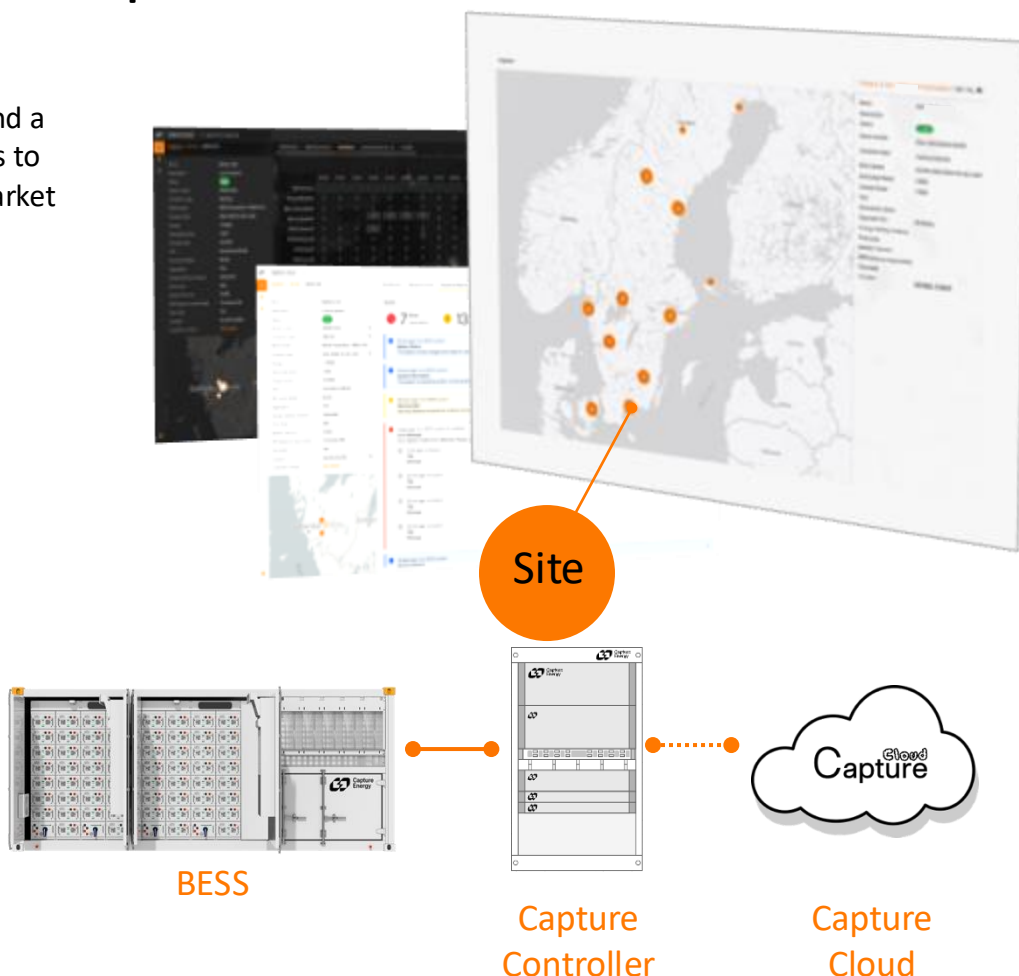
Comprehensive tools for administering your customers and installations.

## 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](mailto:mail@captureenergy.eu)**



### Notes

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