ES5016 BESS Container （0.5C） datasheet

· **Category:**

Liquid Cooling BESS Container

· **Application:**

Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station

· **Benefits:**

Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification

· **Hardwares:**

Packs, BMS, HV Box, PDU, FFS, EMS Controller Set, Enclosed Container

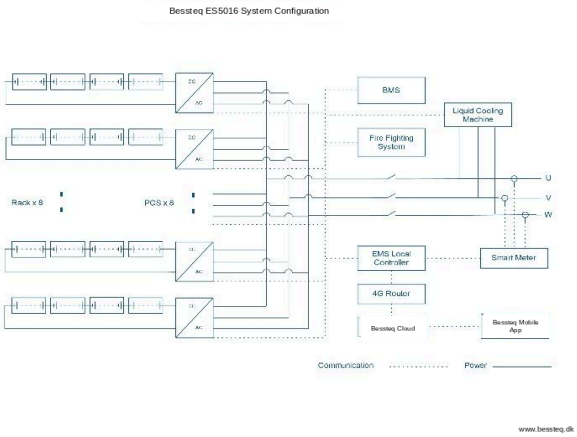
· **Software:** BMS, EMS

· **Cloud Platforms:** Bessteq Cloud

· **Data Sheet:** ES5016 Container Datasheet

· **User Manual:** ES5016 Container User Manual





Technical Parameters

Batteries	
Nominal Battery Voltage	1331.2VDC
Battery Type	LiFePO4 3.2V/314Ah
Battery Pack Configuration	1P104S/104.4992kWh
Battery System Configuration	12P416S
Capacity	5015.9616kWh
Battery Voltage Range	1164.8~1497.6VDC
Max Charging/Discharging Current	1884A(0.5C)
Battery Disconnect	Integrated
Cooling concept of battery chamber	Liquid Cooling
General Parameters	
Dimension W*D*H	6058*2438*2896mm
Charge/Discharge Rate	0.5C
Depth of Discharge	95%
Life Cycle	6000
Degree of Protection	IP55
System Efficiency	~91% (Without Auxiliary Equipment Energy Consumption)
Cooling Liquid	50% Ethylene glycol+50% Water
Fire Protection System	Aerosol
Allowed Ambient Temperature	-30 ~ 60˚C (>45˚C Derating)
Allowed Relative Humidity	0 ~ 95%
Working Altitude	<2000m
Enclosure Corrosion Resistance Level	C3 (C4/C5 Optional)
Weight	~43 Tons
SPD	DC TYPE Ⅱ/AC TYPE Ⅱ
Lifting Options	Crane
Scalability	Yes, Units Can Be Connected In Parallel
Monitoring	
Communication	RS485/Ethernet
Communication Protocols	MODBUS-RTU/MODBUS-TCP
Remote Control System	Bessteq Cloud
Certifications	
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG
Battery Pack	CE, UN38.3, MSDS
Battery Rack	CE, UN38.3, MSDS

The three components of the BESSTEQ Battery Energy Storage System

BESS cabinet / BESS Container, Energy Management System and ReneCloud / ReneApp & energy services



1.BESS cabinet / BESS Container

A business that generates and uses its own energy is well on the way towards independence.
In trades, gastronomy or agriculture – whatever your line of business,BESSTEQ battery storage systems reduce your dependence on energy suppliers and make you less vulnerable to price fluctuations and interruptions in supply.

Interested in BESSTEQ BESS products?
Scan the QR code to explore
our solutions, product information
and ways to contact our team.

2.Microgrid Energy Management System

Energy flows can be recorded, controlled and monitored with the innovative BESSTEQ energy management system – consisting of the BESSTEQ Energy Manager System cabinet and the ReneCloud portal.



Want to explore renewable energy sources further?
In a hurry? Book a meeting with us now—just scan the QR code right now.
We can provide a free analysis and tailored one-stop solutions based on your needs.
Looking forward to seeing you there!

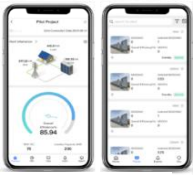
3.ReneCloud / ReneApp and energy services

By setting individual operational strategies, you can combine a wide variety of applications and thus perfectly adapt the system to the needs of commerce and industry.

Monitoring and cloud options
Scan the QR code to visit
www.bessteq.dk for further
information on integration,
controls and support.



ReneCloud



Bessteq website | ReneApp

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Subject to errors and changes. Please read the safety and installation instructions carefully and completely before using the product. In case of purchase, the currently valid guarantee policies and the general terms and conditions of delivery and business of BESSTEQ apply.