Bessteq
A PART OF TECHON7GROUP

Battery Energy Storage Systems

EGS257 BESS Cabinet datasheet

· **Category:**

Liquid Cooling BESS Cabinet

· **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, PCS, PDU, FFS, EMS Controller Set, Enclosed Cabinet

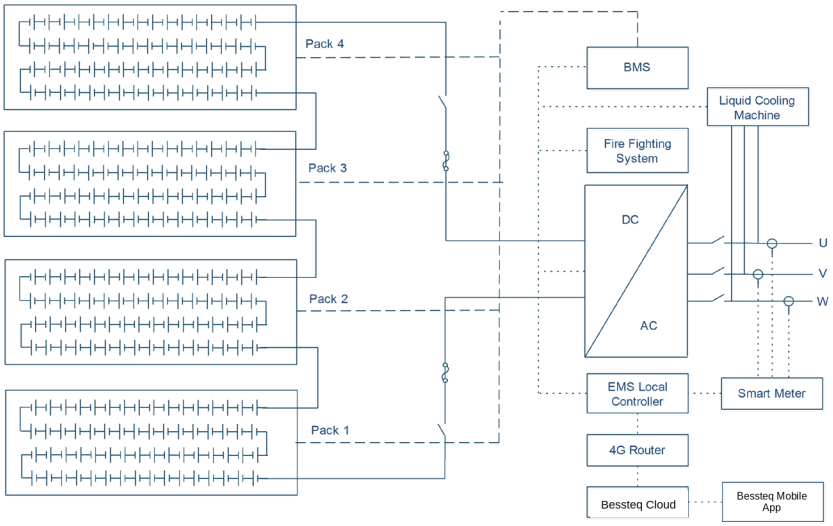
· **Software:** BMS, EMS

· **Cloud Platforms:** Bessteq Cloud

· **Data Sheet:** EGS257 Cabinet Datasheet

· **User Manual:** EGS257 Cabinet User Manual





Technical Parameters	European Version
AC Side (Grid Tied Scenario)	
AC Output Power	125kW @ 45°C
Max. AC Output Power	135kW
Nominal AC Voltage / Range	230V/400V
Nominal Grid Frequency/Range	50/60Hz
Harmonic(THD)	<3% (at Nominal Power)
Power Factor at Nominal Power/Adjustable	-1 ~ 1
Cooling Concept of PCS Chamber	Air Cooling
Seamless Switching from Grid to BESS In Case of Power Outage	Optional
AC Side (Microgrid Scenairo)	
Nominal AC Voltage	230V/400V
Harmonic (THD)	< 2% (Resistance Load)
Nominal Frequency/Range	50/60Hz
Max. AC Power	137.5kW
Batteries	
Nominal Battery Voltage	819.2VDC
Battery Type	LiFePO4 3.2V/314Ah
Battery Pack Configuration	1P64S/64.3024kWh
Battery System Configuration	1P256S
Capacity	257.2288kWh
Battery Voltage Range	716.8-921.6VDC
Max Output Power	135kW
Battery Disconnect	Integrated
Cooling concept of battery chamber	Liquid Cooling
General Parameters	
Dimension W*D*H	1050*1600*2050mm
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	~2750kg
SPD	DC TYPE Ⅱ/AC TYPE Ⅱ
Lifting Options	Fork/Crane
Scalability	Yes, Units Can Be Connected In Parallel
Monitoring	
Display	7 Inches Touchscreen
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, UL, UN38.3, MSDS
Battery Rack	CE, UL, UN38.3, MSDS
Power Conversion System	IEEE 1547, UL 1741 SB
Whole Unit	CE, UN38.3, MSDS, UL 9540, UL 9540A, UL1973, FCC PART 15 B, UL 60730, IEEE 1547, UL 1741 SB

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!

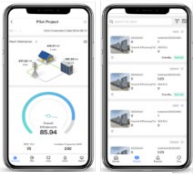
3.ReneCloud / ReneApp and energy services

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.