BEXIE ENERGY

Europe based aftersale
Company HQ in Spain

TECHNICAL DATASHEET

Bexie Storage Container

BESC-25P50B // INDUSTRIAL USE // UTILITY SCALE

High-capacity 5 MWh liquid-cooled energy storage system designed for utility-scale and industrial applications. Featuring 2.5 MW nominal power, advanced safety protection, reliable performance, and efficient maintenance.



- 5 MWh high-capacity energy storage system.
- 2.5 MW nominal AC power.
- Advanced liquid cooling technology.
- Five-layer safety protection architecture.
- Modular design for easy installation and maintenance.

FEATURES

- HIGH POWER
- HIGH CAPACITY
- WIDE TEMPERATURE RANGE
- THERMAL PROTECTION

+34 985 194 232

www.bexieenergy.com

Calle Peña Santa 68, Polígono
Industrial Silvota, 33192, Llanera, Asturias

BEXIE GROUP designs, manufactures and delivers high-performance solar electric technology worldwide.
Our high-efficiency solar cells enable us to produce different types of solar panels with highest efficiency.

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MODEL	SU5016E2500KC SERIES*
SYSTEM INFORMATION	
Nominal AC Power	2,500kW
Nameplate Capacity	5,015.96kWh
BATTERY INFORMATION	
Battery Chemistry	LFP
Capacity	314Ah
Configuration	416S 12P
Nominal Voltage	1,331.2V
Voltage Range	1,123.2 ~ 1,497.6V
WORKING CONDITIONS	
Degree of Protection	IP55
Noise Emission	≤80dB@1m
Operating Temperature Range	-30℃ ~ 55℃ (>50℃ Derating)
Relative Humidity	0 ~ 95% RH
Max. Working Altitude	4,000m
GENERAL	
Dimensions (WxHxD)	6,058 x 2,896 x 2,438mm
Weight	40.3 ± 0.5t
Cooling Method	Intelligent Liquid Cooling
Fire Suppression System	Dry Pipe, Gas Detection and Ventilation, Aerosol, Alarm System
Aux. Power Supply	AC400V / 3P4L 50Hz
Communication Protocol	Modbus TCP / IP
Certification	IEC 62477-1, IEC 62619, IEC63056, IEC 60730, IEC 61000-6-2&IEC61000-6-4, IEC62933

NOTES

*Note: SUS016E2S00KC-L and its mirrored version SUS016E2S00KC-R.

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Single Line Diagram

