

BSB ESS Energy for Storage System





BSB ESS uses EVE brand-new grade A battery cells , cycles life can get to more than 6000 and providing 5 years warranty, providing users with high-quality energy storage lithium batteries. These products are widely used in photovoltaic off-grid systems, photovoltaic energy storage systems, home energy storage, commercial and industrial energy storage, communication base station energy storage, data center backup power, and modular lithium battery products.

BSB ESS products feature perfect design, using CCS cell connection methods and equipped with internal fire extinguishing devices. including a series of high and low voltage energy storage lithium batteries such as BSB-ESS-51.2V-100Ah Premium, BSB-ESS-51.2V-100Ah Luxury, BSB-ESS-51.2V-100Ah Plus, BSB-ESS-51.2V-230Ah Premium, BSB-ESS-51.2V-304Ah Luxury, and BSB-ESS-51.2V-100Ah HV Premium. Many of these products have obtained international certifications such as TUV, UN38.3, MSDS, CEFC, and ROHS.

BSB ESS products have garnered an excellent reputation in markets across Vietnam, Southeast Asian countries, and worldwide. BSB ESS is committed to continuously updating its products and advancing technologically, consistently providing users with new product experiences.

PRODUCT CATALOGS

1	BSB-ESS-51.2V-100Ah Premium	01
2	BSB-ESS-51.2V-230Ah-Premium	03
3	BSB-ESS-51.2V-100Ah-Luxury	05
4	BSB-ESS-51.2V-304Ah-Luxury	07
5	BSB-ESS-51.2V-100Ah-Plus	09
6	BSB-ESS-51.2V-100Ah-HV-Premium	11

Advantages of battery cells

EVE[®]



- The full range of products build-in brand EVE lithium iron phosphate cells
Material safety, electrical safety, system safety as product development, The core foundation of manufacturing ensures the safety and reliability of the whole life cycle.

- The quality of cells is certified by authority



- Comprehensive testing and experimental verification

Extrusion verification
Fire verification
Impact verification
Waterproof verification

- High standard battery - stable and safe

It adopts safe and long-life LFP material, which is suitable for application scenarios with high frequency and high safety requirements

- High cycle times-long life

With excellent performance to meet the needs of long-term high frequency use



EVE Energy Co., Ltd. (referred to as EVE Energy) was established in 2001 and was among the first companies to be listed on the Shenzhen ChiNext Market in 2009. After 23 years of rapid development, it has become a globally competitive lithium battery platform company, possessing core technologies and comprehensive solutions for consumer batteries, power batteries, and energy storage batteries. Its products are widely used in the Internet of Things (IoT) and Energy Internet fields. (Stock code: 300014).

- The company employs over 28,000 people worldwide.
- EVE Energy has ranked No. 1 in lithium primary battery sales and exports for eight consecutive years.
- It is among the TOP 4 globally and No. 1 in China for cylindrical battery shipments.
- The company holds leading positions in several segments of the small lithium-ion battery market.
- In 2023, it achieved the highest growth rate in global power battery installations.
- As of March 2024, EVE Energy ranks among the global TOP 10 in cumulative electric ship battery installations.
- In 2023, it ranked TOP 3 globally in energy storage battery shipments.

BSB-ESS

51.2V - 304Ah - Luxury

51.2V - 100Ah - Luxury

51.2V - 100Ah - Premium

51.2V - 100Ah - HV - Premium

51.2V - 100Ah - Plus

51.2V - 230Ah - Premium

With 6 premium version

BSB-ESS-51.2V-100Ah Premium



Product Advantages

- Intelligent Battery Management System (BMS), Intelligent Current Blocker, Quadruple Safety Protection: Voltage Protection, Temperature Protection, and Current Dual Protection; IP54
- Built in fire protection module, 15S fast flame retardant
- Small size, light weight, long service life, and high temperature resistance; Supports well connection, up to 16 units can be connected in parallel

Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places

Basic Specifications

Power supply model	BSB-ESS-HPS-51.2V100AH
Nominal voltage	51.2V
Nominal capacity	100AH/5.12KWH
Charging protection voltage	56.8V
Discharge protection voltage	46.4V
Recommended charging current	≤50A
Maximum charging current	100A
Recommended discharge current	≤50A
Maximum discharge current	100A
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)
Communication mode	RS485/RS232/CAN
Charging temperature	0~55°C
Operating temperature	-20~55°C
Battery weight	≈43.5Kg
Battery size	473*482*133mm (Adjustable)
Certification	CE, CB, TUV Mark, MSDS, UN38.8
Adaptable inverter (can customized)	485: PYLONTECH, TOPBAND, GROWATT, LUXPOWER, CPSYPOWER, SRNE, Felicity solar, ANC, Shark TopSu CAN: Deye, PYLONTECH, TOPBAND, GROWATT, LUXPOWER, GOODWE, SOFAR, INVT, MEGAREVO, GINLONG, AFORE, SOROUPS, CFAT, BEITT, MUST, SMA, SACOLAR, TBB

*Can be customized according to the needs, the final interpretation of this product is owned by the company, subject to change without prior notice

BSB-ESS-51.2V-230Ah Premium



Product Advantages

- Built-in LiFePO4 Battery cells. Large capacity, long cycle life, high safety, environmental protection; IP54
- Intelligent communication; Built in fire protection module, 15S fast flame retardant
- Built in fire protection module, 15S fast flame retardant

Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places

Basic Specifications

Power supply model	BSB-ESS-HPS-51.2V230Ah
Nominal voltage	51.2V
Nominal capacity	230Ah/11.776kWh
Charging protection voltage	56.8V
Discharge protection voltage	46.4V
Recommended charging current	≤50A
Maximum charging current	100A
Recommended discharge current	≤50A
Maximum discharge current	100A
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)
Communication mode	RS485/RS232/CAN
Charging temperature	0~55°C
Operating temperature	-20~55°C
Battery weight	≈ 90Kg
Battery size	594*557*236mm (Adjustable)
Certification	MSDS, UN38.8, CE
Adaptable inverter (can customized)	485: PYLONTECH, TOPBAND, GROWATT, LUXPOWER, CPSYPOWER, SRNE, Felicity solar, ANC, Shark TopSu CAN: Deye, PYLONTECH, TOPBAND, GROWATT, LUXPOWER, GOODWE, SOFAR, INVT, MEGAREVO, GINLONG, AFORE, SOROUPS, CFAT, BEITT, MUST, SMA, SACOLAR, TBB
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BSB-ESS-51.2V-100Ah-Luxury



Product Advantages

- Intelligent Battery Management System (BMS), Intelligent Current Blocker, Quadruple Safety Protection: Voltage Protection, Temperature Protection, and Current Dual Protection; IP54
- Built in fire protection module, 15S fast flame retardant
- Convenient installation; Supports well connection, up to 16 units can be connected in parallel

Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places

Basic Specifications

Power supply model	BSB-ESS-WPS-51.2V100AH-Luxury
Nominal voltage	51.2V
Nominal capacity	100Ah/5.12KWH
Charging protection voltage	56.8V
Discharge protection voltage	46.4V
Recommended charging current	≤50A
Maximum charging current	100A
Recommended discharge current	≤50A
Maximum discharge current	100A
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)
Communication mode	RS485/RS232/CAN
Charging temperature	0~55°C
Operating temperature	-20~55°C
Battery weight	≈49.7Kg
Battery size	572*508*155mm (adjustable)
certification	CE, MSDS, UN38.8
Adaptable inverter (can customized)	485: PYLONTECH, TOPBAND, GROWATT, LUXPOWER, CPSYPOWER, SRNE, Felicity solar, ANC, Shark TopSu CAN: Deye, PYLONTECH, TOPBAND, GROWATT, LUXPOWER, GOODWE, SHOUHANG, INVT, MEGAREVO, GINLONG, Afore, SOROUPS, CFAT, BEITT, MUST, SMA, SACOLAR, TBB

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BSB- ESS-51.2V-304Ah-Luxury



Product Advantages

- Intelligent Battery Management System (BMS), Intelligent Current Blocker, Quadruple Safety Protection: Voltage Protection, Temperature Protection, and Current Dual Protection; IP54
- Built in fire protection module, 15S fast flame retardant
- Convenient installation; Supports well connection, up to 16 units can be connected in parallel

Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places

Basic Specifications

Power supply model	BSB-ESS-WPS-51.2V304AH-Luxury
Nominal voltage	51.2V
Nominal capacity	304Ah/15.56KWH
Charging protection voltage	56.8V
Discharge protection voltage	46.4V
Recommended charging current	≤50A/≤100A
Maximum charging current	100A/200A
Recommended discharge current	≤50A/≤100A
Maximum discharge current	100A/200A
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)
Communication mode	RS485/RS232/CAN
Charging temperature	0~55°C
Operating temperature	-20~55°C
Battery weight	≈119.4Kg
Battery size	620.8*684*233mm (adjustable)
certification	CE, MSDS, UN38.8
Adaptable inverter (can customized)	485: PYLONTECH, TOPBAND, GROWATT, LUXPOWER, CPSYPOWER, SRNE, Felicity solar, ANC, Shark TopSu CAN: Deye, PYLONTECH, TOPBAND, GROWATT, LUXPOWER, GOODWE, SHOUHANG, INVT, MEGAREVO, GINLONG, Afore, SOROUPS, CFAT, BEITT, MUST, SMA, SACOLAR, TBB
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BSB-ESS-51.2V-100Ah-Plus



Product Advantages

- Intelligent Battery Management System (BMS), Intelligent Current Blocker, Quadruple Safety Protection: Voltage Protection, Temperature Protection, and Current Dual Protection; IP54
- Built in fire protection module, 15S fast flame retardant
- Convenient installation; Supports well connection, up to 16 units can be connected in parallel

Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places

Basic Specifications

Power supply model	BSB-ESS-51.2V-100Ah-Plus	2 Modul	3 Modul
Nominal voltage	51.2V	51.2V	51.2V
Nominal capacity	100Ah/5.12kWh	200Ah/10.24kWh	300Ah/15.36kWh
Charging protection voltage	56.8V		
Discharge protection voltage	46.4V		
Recommended charging current	≤100A		
Maximum charging current	95A		
Recommended discharge current	≤50A		
Maximum discharge current	100A		
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD≥80%)		
Communication mode	RS485/RS232/CAN		
Charging temperature	0~55°C		
Operating temperature	-20~55°C		
Battery weight	≈55.7 Kg	≈134.5 Kg	≈190 Kg
Battery size	580*492*200mm (adjustable)	580*492*500mm (adjustable)	580*492*670mm (adjustable)
certification	MSDS、UN38.8		
Adaptable inverter (can customized)	485: PYLONTECH、TOPBAND、GROWATT、LUXPOWER、CPSYPOWER、SRNE、Felicity solar、ANC、Shark TopSu CAN: Deye、PYLONTECH、TOPBAND、GROWATT、LUXPOWER、GOODWE、SHOUHANG、INVT、MEGAREVO、GINLONG、Afore、SOROUPS、CFAT、BEITT、MUST、SMA、SACOLAR、TBB		

*Can be customized according to the needs, the final interpretation of this product is owned by the company, subject to change without prior notice

BSB-ESS-51.2V-100Ah-HV-Premium



Product Advantages

- Intelligent Battery Management System (BMS), Intelligent Current Blocker, Quadruple Safety Protection: Voltage Protection, Temperature Protection, and Current Dual Protection; IP54
- Built in fire protection module, 15S fast flame retardant
- Modular stacked design, capable of stacking 12 modules

Applications

Electricity at home, shopping malls, supermarkets, hotels and other public places

Basic Specifications

Power supply model	BSB-ESS-51.2V-100Ah-HV-Premium Assembly
Nominal voltage	204.8V
Nominal capacity	100Ah/20.48kWh
Charging protection voltage	227.2V
Discharge protection voltage	185.6V
Recommended charging current	≤50A
Maximum charging current	100A
Recommended discharge current	≤50A
Maximum discharge current	100A
Battery cycle life	≥6000 (25°C±2°C, 0.5C charge-discharge, DOD ≥80%)
Communication mode	RS485/RS232/CAN
Charging temperature	0~55°C
Operating temperature	-20~55°C
Battery weight	≈247Kg
Battery size	580*494*1010mm (adjustable)
certification	MSDS、UN38.8
Adaptable inverter (can customized)	CAN: 1:Deye ATESS SOFAR INVT BD GROWATT MEGAREVO KOYOE G00DWE PYLON

*Can be customized according to the needs, the final interpretation of this product is owned by the company, subject to change without prior notice

certificate

海运 By Sea CNAS 中国认可 检验 INSPECTION CNAS 180078

运输危险性鉴别报告书

Identification and Classification Report for Transport of Goods

危险物品 (Dangerous Goods)

报告编号: SEKG20040328232WY28001
Issued No: _____

生效日期: 2024.03.22
Effective Date: _____

委托单位: Dighang Industrial
Applicant: Dighang Industrial

物品名称: 可充电锂离子电池系统 BSB-E55-51.2V-100Ah-IV-Prelium 5.12kWh
Name of Goods: Rechargeable Li-ion Battery System BSB-E55-51.2V-100Ah-IV-Prelium 5.12kWh

北京迪捷姆空运技术开发有限公司
Beijing DGM Air Transport Technology Development Co., Ltd.

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Identification and Classification Report for Transport of Goods

危险物品 (Dangerous Goods)

报告编号: SEKG20040315180XQH22001
Issued No: _____

生效日期: 2024.03.15
Effective Date: _____

委托单位: Dighang Industrial
Applicant: Dighang Industrial

物品名称: 可充电锂离子电池系统 BSB-E55-51.2V-100Ah-Prelium 5.12kWh
Name of Goods: Rechargeable Li-ion Battery System BSB-E55-51.2V-100Ah-Prelium 5.12kWh

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Identification and Classification Report for Transport of Goods

危险物品 (Dangerous Goods)

报告编号: SEKG20040328491WY90001
Issued No: _____


生效日期: 2024.05.20
Effective Date: _____

委托单位: Dighang Industrial
Applicant: Dighang Industrial

物品名称: 可充电锂离子电池系统 BSB-E55-51.2V-100Ah-Luxury 5.12kWh
Name of Goods: Rechargeable Li-ion Battery System BSB-E55-51.2V-100Ah-Luxury 5.12kWh

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危险物品 (Dangerous Goods)

报告编号: SEKG20040328436WY32001
Issued No: _____


生效日期: 2024.03.22
Effective Date: _____

委托单位: Dighang Industrial
Applicant: Dighang Industrial

物品名称: 可充电锂离子电池系统 BSB-E55-51.2V-100Ah-Prelium 5.12kWh
Name of Goods: Rechargeable Li-ion Battery System BSB-E55-51.2V-100Ah-Prelium 5.12kWh

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危险物品 (Dangerous Goods)

报告编号: SEKG20040328628XQH68001
Issued No: _____

生效日期: 2024.05.28
Effective Date: _____

委托单位: Dighang Industrial
Applicant: Dighang Industrial

物品名称: 可充电锂离子电池系统 BSB-E55-51.2V-304Ah-Luxury 15.96kWh
Name of Goods: Rechargeable Li-ion Battery System BSB-E55-51.2V-304Ah-Luxury 15.96kWh

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危险物品 (Dangerous Goods)

报告编号: SEKG2004030729XQH44001
Issued No: _____

生效日期: 2024.03.07
Effective Date: _____

委托单位: Dighang Industrial
Applicant: Dighang Industrial

物品名称: 可充电锂离子系统 BSB-E55-51.2V-250Ah-Prelium 11.75kWh
Name of Goods: Rechargeable Li-ion Battery System BSB-E55-51.2V-250Ah-Prelium 11.75kWh

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