BESCORE

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BESCORE
BESCORE ENERGIE GMBH & BESCORE ENERGY LTD

www.bescore-ess.com

BESCORE

Commercial & Industrial Energy Storage Solutions

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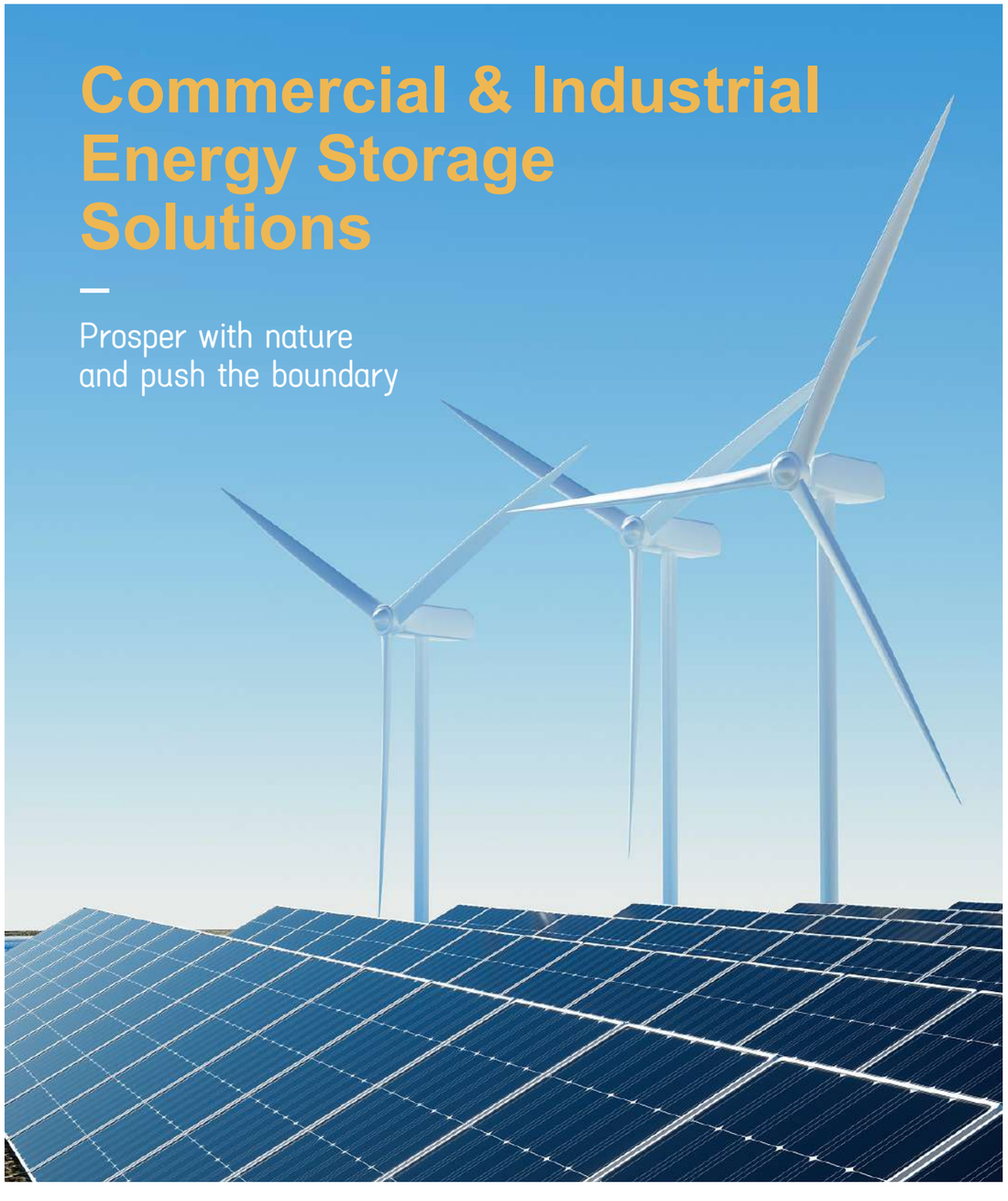
Prosper with nature
and push the boundary



Content

01 Company Introduction

Specialized in clean energy solutions, BESCORE is one of leading energy storage solution and products provider in this field. Control the entire R&D, production and sales chain of battery energy storage system (ESS).

The solutions cover Residential, Commercial, Industrial and Outdoor scenarios (Po rtable power station). Thanks to our intelligent and experi – enced engineer expe rts from worldwide, the system and hardware are well guaranteed and highly reputed for its stabili ty reliable and safe ty. Based on advanced and independent R&D technology in inverters and batteries.

We make it our purpose to satisfy our customers and pa rtners worldwide a clean, reliable and affordable energy future, through the sma rt solutions that we offer.

Always keep its high efficiency, reliable, safety, easy installation and low maintenance.

Motivation and innovation are always rank first on our list.

15+ Years
History of group company

300+ Million
Annual sales amount

120+
Patents in Electrical fields

6
Global Branches

200+
R&D Specialists

100+
Partners Globally

• Business Field

Micro-grid Solutions

Integrated Energy Solutions

Residential ESS

C&I ESS

* Certifications

The relevant certificates according to the specific market requirements will be provided with the finished products when leaving our warehouse.

Commercial & Industrial Energy Storage Solutions

02

C&I ESS Main Fuctions

Peak shaving
- Purchase low-priced electric energy from the grid during the electricity price valley period and supply the load to use during the electricity price peak period, reducing the electricity cost of the enterprise.

Consumption of excess new energy power
- Solve the volatility and disorder of new energy power generation

Maximum Demand Control
- Reduce the peak power needed and the primary electricity bill. Can also delay the electric capacity expansion.

Off-grid system power support
- Provide stable power support

Electricity Market Ancillary Services
- Can be used in load-side power market transactions and can be used to adjust the peak and frequency in power operations to generate profits.

Uninterrupted power supply for important loads
- At the end of the power grid or in unstable areas of the power grid, equipment and material losses caused by unplanned power outages are large, and the energy storage system can realize seamless switching.

Application Scenarios

03

Zero Emission Smart Park

General Requirements:
- Peak shaving
- Consumption of excess new energy power
- Uninterrupted power supply for important loads

Capacity Requirements:
- Rated Power: 0.5~10MW
- Rated energy: 1~20MWh

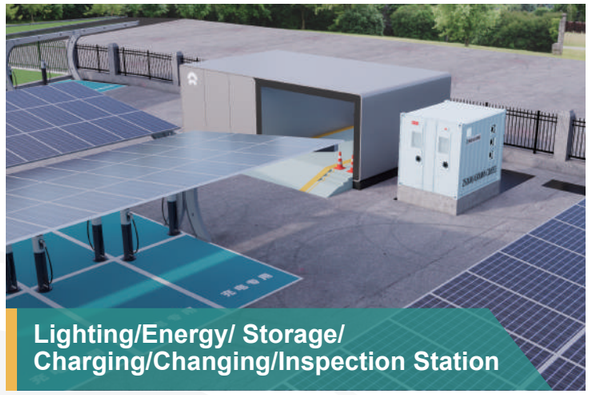
Targeted Projects & Clients:
- Industrial Park
- Zero Emission Industrial Park
- New Energy Enterprise Park

Data centre/Hospitals

General Requirements:
- Uninterrupted power supply for important loads
- Peak shaving

Capacity Requirements:
- Rated Power: 0.5~5MW
- Rated energy: 1~10MWh

Targeted Projects & Clients:
- Internet Enterprises
- Banks and Financial Institutions
- Hospitals



Lighting/Energy/ Storage/ Charging/Changing/Inspection Station

General Requirements:
- Power Capacity Expansion
- Consumption of excess new energy power
- Peak shaving

Capacity Requirements:
- Rated Power: 100~500kW
- Rated energy : 200~1000kWh

Targeted Projects & Clients:
- Charging Pile Manufactures
- Car Companies & 4S stores
- Public Transportation
- Public Parking Lot

Isolated islands/ mountain areas without electricity

General Requirements:
- Operated under the off-grid environment
- Using VF/VSG to adjust and control voltage and frequency

Capacity Requirements:
- Rated Power: 50~250kW
- Rated energy : 100~500kWh

Targeted Projects & Clients:
- Governments
- Industrial and commercial enterprises

Our Products

04

10ft Container-Type Energy Storage All-In-One Modular Machine

◆ Product Introduction

This product is an energy storage system independently developed by Bescore and can be applied in industrial and commercial scenarios. It provides users with an integrated solution that the system adopts the ALL-IN-ONE design concept and modular design, which realises the flexible configuration of PCS and energy storage battery capacity. The local monitoring system is installed in the cabinet to realise the comprehensive management of equipment in the system.

The product can be controlled independently or can be paralleled by multiple machines, which gives multiple operating modes and control strategies and helps to meet the multi-scenario applications on the user side.

The product can help realize the circular economic model of green environmental protection and resource utilization and achieve a multi-win of social benefits, environmental benefits and economic benefits.

◆ Product Characteristics

Highly Integrated System

- Highly Integrated System with high compatibility
- Efficient space utilization
- Easy on Transportation and Installation

Intelligent collaboration

- Intelligent temperature control to improve system energy efficiency;
- Support multiple control strategies;
- VF /VSG technology available

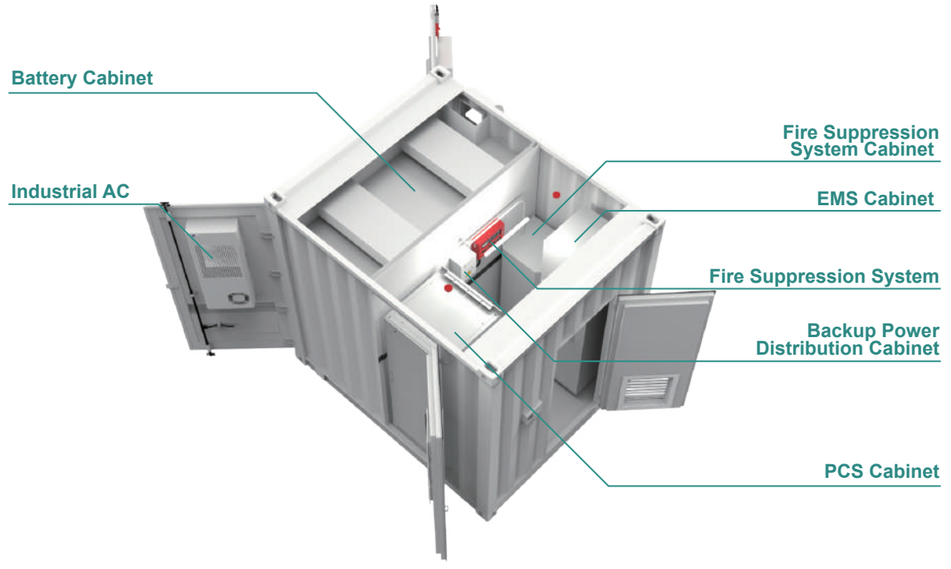
Flexible Configuration

- Modular design with add-on options available
- Support multi-machine in parallel connection
- Flexible configuration on the total capacity

Safe and reliable

- Full battery cell monitoring and real-time insulation detection
- Reliable fire suppression system
- IP55 Protection class, suitable for outdoor environment

◆ Product Structure



Protection Level: IP55
Anti-corrosion Level: C3 (Max. C5 Available)
Applicable to coastal areas with high humidity and high salinity

No. of machines in parallel connection:
On-grid: 5 machines maximum
Off-grid: 4 machines maximum

◆ Technical Parameters

System Parameters				
Rated Power	50kW	100kW	150kW	250kW
Wiring Type	Three-phase Four-wire			
Rated Current	72A	144A	216A	360A
AC Overload Capacity	55kVA	110kVA	165kVA	275kVA
Rated power	100~430kWh			430kWh
Grid Voltage Allowed	400V (±15%) AC			
Rated Frequency Allowed	50/60 (±2.5) Hz			
Total Current Harmonic Distortion	⩽3%			
Power Factor	0.99/-1~1			
Auxiliary Power Supply	220V, ⩽5kVA			

Overall System Efficiency（DC⇋AC）	
Overall System Efficiency	91.50%

Basic Parameters		
Isolation Method	Isolation Transformer	
On and Off-grid Switching (Optional)	STS	None
Cooling Method	Smart Wind Cooling System	
Noise	<75dB	
Protection Level	IP55	
Max Altitude Allowed	3000m(Rated Power diminishes if above 3000m)	
Working Temperature Range	-20℃ ~ 55℃	
Relative Humidity	5 ~95% Non-condensing	
Dimension	(L×W×H) : 2991×2438×2596 (mm)	
Weight	Approx. 7T	

Communication	
Communication Interface	RS 485, Ethernet, CAN
Communication Protocol	Modbus TCP/RTU, IEC104

◆ Core Components

Battery Cell

280Ah battery cell.

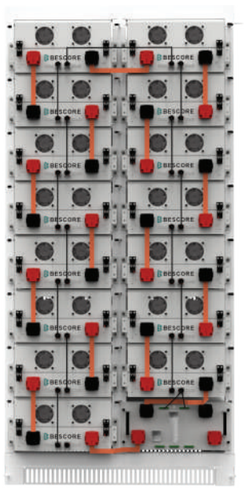
The internal resistance of the battery cell is small, the self-discharge rate is low, and the cycle life is long.

No.	Category	Parameter
1	Battery Type	LFP
2	Nominal voltage (V)	3.2V
3	Nominal capacity (Ah)	280
4	Nominal charging current (A)	0.5C
5	Nominal discharge current (A)	0.5C
6	Circulating Cycles	> 6000 times
7	Initial Internal Resistance (mΩ)	⩽0.25
8	Energy Efficiency	⩾97%

Battery Box

Bescore independently develops the air-cooling battery sub-box, and the internal patented air duct design ensures that the temperature difference of the battery cells in the sub-box does not exceed 3℃.

No.	Category	Parameter
1	Battery Type	LFP
2	Nominal voltage (V)	51.2V
3	Rated power (kWh)	14.336
4	Nominal Charging Current (A)	0.5C
5	Nominal Discharge Current (A)	0.5C
6	Circulating Cycles	> 6000 times
7	Self-discharge Rate	⩽3%/month



Battery Cluster

The self-developed battery box and battery cluster have reliable charge and discharge protection, excellent heat dissipation design, and the temperature difference of the whole cluster box does not exceed5℃.

No.	Category	Parameter
1	Group mode	1P240S
2	Rated capacity	280Ah
3	Rated voltage	DC768V
4	DC voltage range	672V ~ 876V
5	Rated power	215.040kWh
6	Max continuous charger/discharge current	140A
7	Temperature requirement for discharge	-20℃ ~ 55℃
8	Temperature requirement for charge	0℃ ~ 45℃
9	Size	W1000*D840*H2100mm
10	Weight	1680kg

PCS Cabinet

The PCS Cabinet is mainly composed of an AC/DC switch, AC/DC filter module, DC/AC conversion module, isolation transformer, and the STS switch.

No.	Category	Parameter
1	Rated Power	250kW
2	Overload Capacity	1.1x
3	Grid Voltage Allowed	400V±15%
4	Grid Frequency Allowed	50/50Hz (±2.5)
5	DC Voltage Range	600~900Vdc
6	Max DC current	440A
7	Isolation Transformer	Included
8	STS	Optional
9	Max Conversion Efficiency	97.30%
10	Dimension (W×H×D)	1200×2160×800 (mm)
11	Weight	1280kg
12	Noise	< 75dB

Container and Accessories

• Container

Made of High-quality steel resistant to all weather types
Protection Level: IP55
Anti-corrosion Level: C3 (Max. C5 Available)
Earthquake resistance level: Level 8

• AC

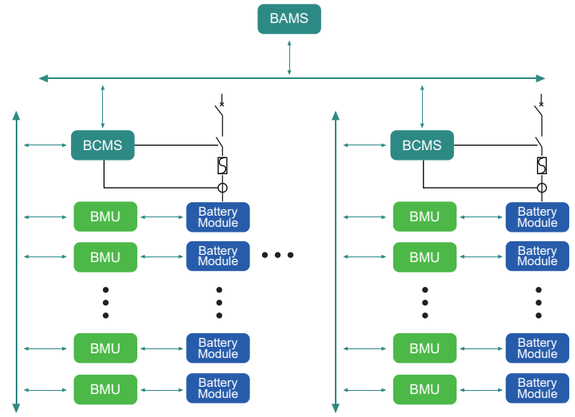
Cooling Capacity: 5kW
Heating capacity: 3kW
Input Power: 1.85kW
Maximum Operating Current: 17A

• Fire Distinguisher

Material: PERFLUORO
Amount: 20kg
Detection Type: Smoke, Temperature, CO

BMS

Our self-developed BMS is a battery intelligent management system dedicated to industrial and commercial energy storage, which has the following characteristics :



• Rich detection function

It can provide data detection functions such as single cell voltage, module temperature, voltage, battery cluster voltage, charge and discharge current, temperature of each module, status of electrical components in the high voltage box, and insulation resistance.

• SOC estimation is accurate

Based on the second-order RC circuit model, the least square method with forgetting factor and the unscented Kalman filter algorithm are used to jointly estimate the SOC to ensure that the output error is within 5%.

• Complete protection functions

It has all-round battery system protection functions such as overvoltage, under voltage, overcurrent, high temperature, low temperature, communication abnormality, and system abnormality to ensure safe and reliable system operation.

EMS

The EMS system is an intelligent management system custom-developed by Bestco for industrial and commercial storage and interoperable with the Zero Carbon Big Data platform, with the following features:

• System Overview

Charge and discharge, real-time power, SOC, yield, energy map, etc.

• Equipment Monitoring

Real-time operation data of PCS, BMS, air conditioning, fire protection, various sensors, etc.

• Operating revenue

Energy storage system revenue and power information.

• Fault alarms

Summarize alarm information by time, status and level for real-time query.

• Statistical Analysis

Query historical data and related reports, and support data export.

• Energy Management

Configure energy storage control strategies, including manual and automatic modes, to meet the needs of commissioning, overhaul, daily operation, maintenance, etc.

• System Administration

Basic information of power station, equipment management, tariff period management, operation log, account management, language switching and other functions.

20ft Container-Type Energy Storage All-In-One Modular Machine

02

◆ Product Introduction

This product is a high-power energy storage system independently developed by Bescore and can be applied in industrial and commercial scenarios. This product provides users with an integrated solution that the system adopts a modular design. The PCS and energy storage battery capacity can be flexibly configured to meet the multi-scenario applications on the user side and realize the circular economic model of green environmental protection and resource utilization.

The product is designed to provide users with a variety of power supply modes, effectively improve the consumption rate of clean energy, reduce electricity costs, ease the pressure on the power grid, and provide users with stable and sustainable power output.

◆ Product Characteristics

Highly Integrated System

- Highly Integrated System with high compatibility
- Efficient space utilization
- Easy on Transportation and Installation

Intelligent collaboration

- Intelligent temperature control to improve system energy efficiency;
- Support multiple control strategies;
- VF /VSG technology available

Flexible Configuration

- Modular design with add-on options available
- Support multi-machine in parallel connection
- Flexible configuration on the total capacity

Safe and reliable

- Full battery cell monitoring and real-time insulation detection
- Reliable fire suppression system
- IP55 Protection class, suitable for outdoor

◆ Technical Parameters

System Parameters	
Rated Power	500kW
Wiring Type	Three-phase Three-wire
Rated Current	760A
AC Overload Capacity	550kVA
Rated power	1.2MWh
Grid Voltage Allowed	380V/400V (±15%) AC
Rated Frequency Allowed	50/60 (±2.5) Hz
Total Current Harmonic Distortion	⩽3%
Power Factor	0.99/-1~1
Auxiliary Power Supply	< 13kVA
DC Voltage Range	600~900Vdc
DC Input Channels	1/2/4/8
Max DC Current	880/440/220/110A
Overall System Efficiency	⩽92.4%

Basic Parameters	
Isolation Method	Optional
STS	Optional
Cooling Method	Wind
Noise	<75dB
Protection Level	IP55
Max Altitude Allowed	3000m(Rated Power diminishes if above 3000m)
Working Temperature Range	-20℃ ~ 55℃ (Rated Power diminishes if above 50℃)
Relative Humidity	5 ~95% Non-condensing
Dimension	(L×W×H) : 5998×2438×2596 (mm)
Weight	Approx. 21T

Communication	
Communication Interface	RS 485, Ethernet, CAN
Communication Protocol	Modbus TCP/RTU, IEC104, IEC61850

◆ Core Components

Battery Cell

The internal resistance of the battery cell is small, the self-discharge rate is low, and the cycle life is long.

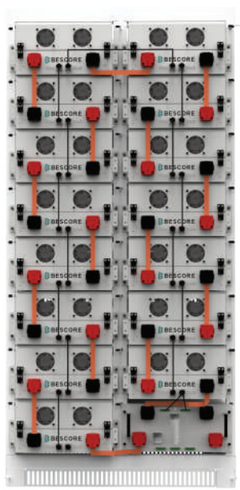
No.	Category	Parameter
1	Battery Type	LFP
2	Nominal voltage (V)	3.2V
3	Nominal capacity (Ah)	280
4	Nominal charging current (A)	0.5C
5	Nominal discharge current (A)	0.5C
6	Circulating Cycles	> 6000 times
7	Initial Internal Resistance (mΩ)	≤0.25
8	Energy Efficiency	≥97%

Battery Box

Bescore independently develops the air-cooling battery sub-box, and the internal patented air duct design ensures that the temperature difference of the battery cells in the sub-box does not exceed 3℃.

No.	Category	Parameter
1	Battery Type	LFP
2	Nominal voltage (V)	51.2V
3	Rated power (kWh)	14.336
4	Nominal Charging Current (A)	0.5C
5	Nominal Discharge Current (A)	0.5C
6	Circulating Cycles	> 6000 times
7	Self-discharge Rate	≤3%/month

Battery Cluster



The self-developed battery box and battery cluster have reliable charge and discharge protection, excellent heat dissipation design, and the temperature difference of the whole cluster box does not exceed5℃.

No.	Category	Parameter
1	Group mode	1P240S
2	Rated capacity	280Ah
3	Rated voltage	DC768V
4	DC voltage range	672V ~ 876V
5	Rated power	215.040kWh
6	Max continuous charger/discharge current	140A
7	Temperature requirement for discharge	-20℃ ~ 55℃
8	Temperature requirement for charge	0℃ ~ 45℃
9	Size	W1000*D840*H2100mm
10	Weight	1680kg

PCS Cabinet

The PCS Cabinet is mainly composed of an AC/DC switch, AC/DC filter module, DC/AC conversion module, isolation transformer, and the STS switch.

No.	Category	Parameter
1	Rated Power	250kW
2	Overload Capacity	1.1x
3	Grid Voltage Allowed	400V±15%
4	Grid Frequency Allowed	50/50Hz (±2.5)
5	DC Voltage Range	600~900Vdc
6	Max DC current	440A
7	Isolation Transformer	Included
8	STS	Optional
9	Max Conversion Efficiency	97.30%
10	Dimension (W×H×D)	1200×2160×800 (mm)
11	Weight	1280kg
12	Noise	< 75dB

Container and Accessories

• Container

Made of High-quality steel resistant to all weather types
Protection Level: IP55
Anti-corrosion Level: C3 (Max. C5 Available)
Earthquake resistance level: Level 8

• AC

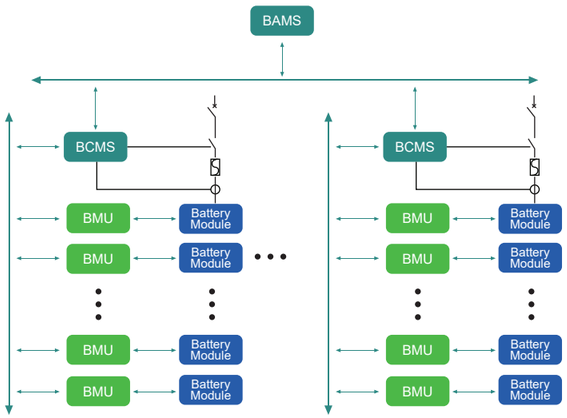
Cooling Capacity: 5kW
Heating capacity: 3kW
Input Power: 1.85kW
Maximum Operating Current: 17A

• Fire Distinguisher

Material: PERFLUORO
Amount: 20kg
Detection Type: Smoke, Temperature, CO

BMS

Our self–developed BMS is a battery intelligent management system dedicated to industrial and commercial energy storage, which has the following characteristics :



• Rich detection function

It can provide data detection functions such as single cell voltage, module temperature, voltage, battery cluster voltage, charge and discharge current, temperature of each module, status of electrical components in the high voltage box, and insulation resistance.

• SOC estimation is accurate

Based on the second–order RC circuit model, the least square method with forgetting factor and the unscented Kalman filter algorithm are used to jointly estimate the SOC to ensure that the output error is within 5%.

• Complete protection functions

It has all–round battery system protection functions such as overvoltage, under voltage, overcurrent, high temperature, low temperature, communication abnormality, and system abnormality to ensure safe and reliable system operation.

EMS

The EMS system is an intelligent management system custom–developed by Bestco for industrial and commercial storage and interoperable with the Zero Carbon Big Data platform, with the following features:

• System Overview

Charge and discharge, real–time power, SOC, yield, energy map, etc.

• Equipment Monitoring

Real–time operation data of PCS, BMS, air conditioning, fire protection, various sensors, etc.

• Operating revenue

Energy storage system revenue and power information.

• Fault alarms

Summarize alarm information by time, status and level for real–time query.

• Statistical Analysis

Query historical data and related reports, and support data export.

• Energy Management

Configure energy storage control strategies, including manual and automatic modes, to meet the needs of commissioning, overhaul, daily operation, maintenance, etc.

• System Administration

Basic information of power station, equipment management, tariff period management, operation log, account management, language switching and other functions.

03 Off-grid All-In-One Smart Control

◆ Product Introduction

This product was developed by Bescore with the aim to provide users with an integrated solution which combines PV, energy storage, and diesel generators into one complete system.

The product adopts the ALL–IN–ONE concept that gives a modular design, and it can load the PV, energy storage, diesel generator, and grid simultaneously.

The product can be used to meet the energy demand in off–grided areas such as mines and islands.

◆ Core Values

01 Provide energy for areas without electricity or with weak electricity

02 Decrease the energy costs

03 Promote the use of clean energy and benefit the society

◆ Product Characteristics

Highly Integrated System

- Highly Integrated System with high compatibility
- Efficient space utilization
- Easy on Transportation and Installation

Intelligent collaboration

- Intelligent temperature control to improve system energy efficiency;
- Support multiple control strategies;
- VF /VSG technology available

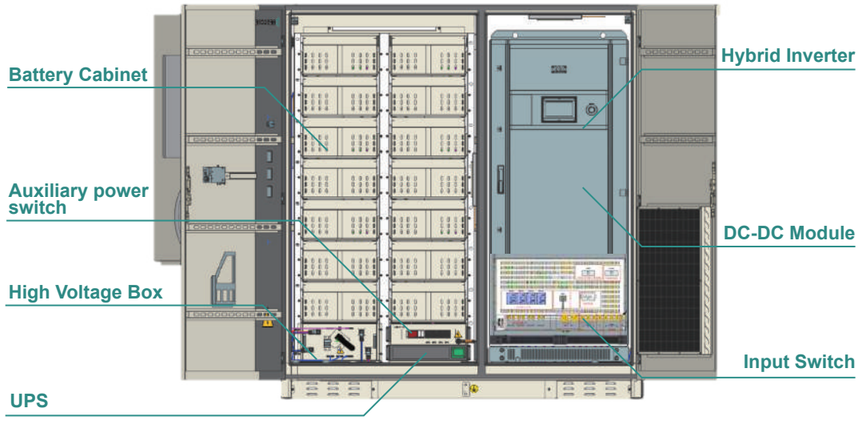
Flexible Configuration

- Modular design with add–on options available
- Support multi–machine in parallel connection
- Flexible configuration on the total capacity

Safe and reliable

- Full battery cell monitoring and real–time insulation detection
- Reliable fire suppression system
- IP55 Protection class, suitable for outdoor environment

◆ Product Structure



Note: The fire protection system is placed on the back of the battery cabinet.

◆ Product Parameters

System Parameters	
Rated Power	50kW
Rated Voltage	400Vac
Rated Current	200.7kWh
DC voltage range	627.2V~784V
Maximum Photovoltaic Voltage	1000V
Maximum Photovoltaic Power	60/120kWp
Photovoltaic MPPT Voltage Range	250–850Vdc
MPPT Full Load Voltage Range	450–850Vdc
Basic Parameters	
Isolation Method	Included
STS	Included
Cooling Method	Wind
Noise	<70dB
Protection Level	IP55
Max Altitude Allowed	5000m(Rated Power diminishes if above 3000m)
Working Temperature Range	–30℃ ~ 55℃
Relative Humidity	5 ~95% Non–condensing
Dimension (W×H×D) mm	2130×2250×1400
Weight	Approx. 3T
Communication	
Communication Interface	BMS: RS 485, CAN EMS:RS485, TCP/IP
Communication	Modbus TCP/RTU, IEC104

Standards:

EN62109–1/–2, EN62477–1,
EN61000–6–2, EN61000–6–4,
NRS097–2–1:2017

*The relevant certificates according to the specific market requirements will be provided with the finished products when leaving our warehouse.

◆ Core Components

Battery Cell

The internal resistance of the battery cell is small, the self–discharge rate is low, and the cycle life is long.

No.	Category	Parameter
1	Battery Type	LFP
2	Nominal voltage (V)	3.2V
3	Nominal capacity (Ah)	280
4	Nominal charging current (A)	0.5C
5	Nominal discharge current (A)	0.5C
6	Circulating Cycles	> 6000 times
7	Initial Internal Resistance (mΩ)	⩽0.25
8	Energy Efficiency	⩾97%

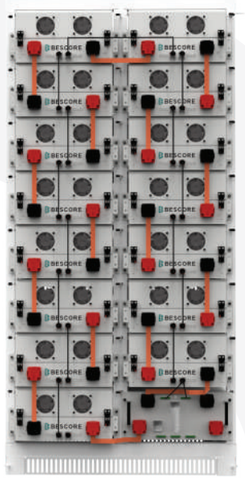
Battery Box

Bescore independently develops the air–cooling battery sub–box, and the internal patented air duct design ensures that the temperature difference of the battery cells in the sub–box does not exceed 3℃.

No.	Category	Parameter
1	Battery Type	LFP
2	Nominal voltage (V)	51.2V
3	Rated power (kWh)	14.336
4	Nominal Charging Current (A)	0.5C
5	Nominal Discharge Current (A)	0.5C
6	Circulating Cycles	> 6000 times
7	Self–discharge Rate	⩽3%/month

Battery Cluster

The self–developed battery box and battery cluster have reliable charge and discharge protection, excellent heat dissipation design, and the temperature difference of the whole cluster box does not exceed5℃.



No.	Category	Parameter
1	Group mode	1P240S
2	Rated capacity	280Ah
3	Rated voltage	DC716.8V
4	DC voltage range	627.2V ~ 817.6V
5	Rated power	200.704kWh
6	Max continuous charger/discharge current	140A
7	Temperature requirement for discharge	–20℃ ~ 55℃
8	Temperature requirement for charge	0℃ ~ 45℃
9	Size	W1000*D840*H2100mm
10	Weight	1570kg

PCS Cabinet

The PCS Cabinet is mainly composed of an AC/DC switch, AC/DC filter module, DC/AC conversion module, isolation transformer, and the STS switch.

No.	Category	Parameter
1	Rated Power	50kW
2	Overload Capacity	1.1x
3	Grid Voltage Allowed	400V
4	Grid Frequency Allowed	50/50Hz (±2.5)
5	Rated Current	72A
6	DC Voltage Range	320~850Vdc
7	Maximum PV Input Voltage	1000V
8	MPPT Full Load Working Voltage	450~850V
9	Maximum PV Power	60/120kWp
10	Isolation Transformer	Included
11	STS	Included
12	Dimension (W×H×D)	800×1900×800 (mm)
13	Weight	720/790kg
14	Noise	< 70dB

Standards:

EN62109 EN62477 EN61000
NRS097-2-1:2017,
IEC61727, IEC62116,IEC 61683

Container and Accessories

• Container

Made of High-quality steel resistant to all weather types
Protection Level: IP55
Anti-corrosion Level: C3 (Max. C5 Available)
Earthquake resistance level: Level 8

• AC

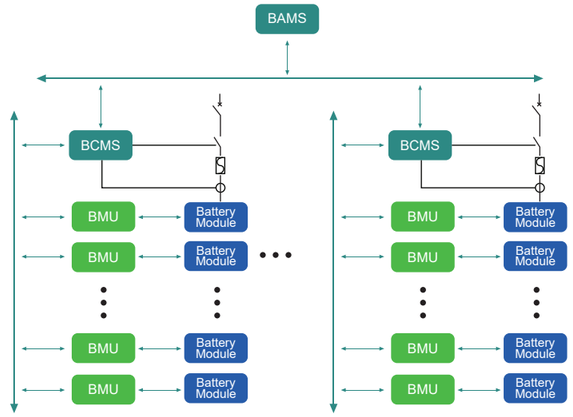
Cooling Capacity: 3kW
Heating capacity: 2kW
Input Power: 1.1kW
Maximum Operating Current: 9.5A

• Fire Distinguisher

Material: PERFLUORO
Amount: 3kg
Detection Type: Smoke, Temperature, CO

BMS

Our self-developed BMS is a battery intelligent management system dedicated to industrial and commercial energy storage, which has the following characteristics :



• Rich detection function

It can provide data detection functions such as single cell voltage, module temperature, voltage, battery cluster voltage, charge and discharge current, temperature of each module, status of electrical components in the high voltage box, and insulation resistance.

• SOC estimation is accurate

Based on the second-order RC circuit model, the least square method with forgetting factor and the unscented Kalman filter algorithm are used to jointly estimate the SOC to ensure that the output error is within 5%.

• Complete protection functions

It has all-round battery system protection functions such as overvoltage, under voltage, overcurrent, high temperature, low temperature, communication abnormality, and system abnormality to ensure safe and reliable system operation.

EMS

The EMS system is an intelligent management system custom-developed by Bestco for industrial and commercial storage and interoperable with the Zero Carbon Big Data platform, with the following features:

• System Overview

Charge and discharge, real-time power, SOC, yield, energy map, etc.

• Equipment Monitoring

Real-time operation data of PCS, BMS, air conditioning, fire protection, various sensors, etc.

• Operating revenue

Energy storage system revenue and power information.

• Fault alarms

Summarize alarm information by time, status and level for real-time query.

• Statistical Analysis

Query historical data and related reports, and support data export.

• Energy Management

Configure energy storage control strategies, including manual and automatic modes, to meet the needs of commissioning, overhaul, daily operation, maintenance, etc.

• System Administration

Basic information of power station, equipment management, tariff period management, operation log, account management, language switching and other functions.

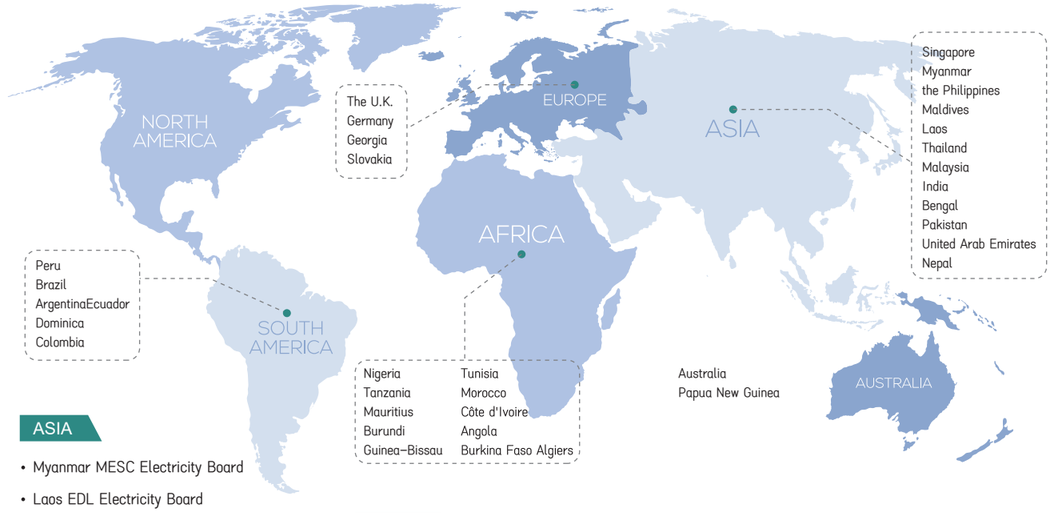
COOPERATIVE PARTNER

05

Domestic Partner

Global Partner

At present, the company's business also spreads across five continents, including Asia, Europe, Africa, South America and Australia, and its products are used in nearly fo rty countries around the world, and its products and services have gained wide recognition from users worldwide.



ASIA

- Myanmar MESC Electricity Board
- Laos EDL Electricity Board
- Thailand PEA Electricity Board
- Philippine MERALCO Electricity Board
- Malaysia TNB Electricity Board
- Maldives STELCO Electricity Authority
- Indonesia PLN Electricity Authority

AFRICA

- STEG Tunisian National Electricity Board
- ONEE Morocco National Electricity Board
- GECOL Libyan Electricity Company
- SNE Chad National Electricity Company

SOUTH AMERICA

- Distrliuz Northern Peru Power Group
- Puno Puno Power Company
- LDS Southern Light Power Company
- Seal Southwest Electric Power Association

Why Bescore

06

◆ Product advantages

SAFE

Top Brand LiFePO4 Battery EVE
• Great stability in high temperature

Multiple Protection Solutions.
• Accurate and Multi-dimension detection • Energy Backup Solution Available

High Performance Structure Design
• Optimized heat dissipation design • High strength structural design

ADVANCED

Independent technology
• Self-developed assembly and debugging technologies

High integration
• Multi-function, all-in-one.

Precise matching
• Batteries modules matched accurately.

SMART

Automatic detection.
• Automatically detect the temperature, voltage, and current.

Remote control
• APP/WEB through Wifi

Automatic control strategy
• Multi charge/discharge mode, time of use strategy control automatically.

◆ Value of solutions

1. **Optimization of energy structure**

PV installation matches energy storage system capaci ty. Ensure the load supply during the day while keeping the battery storage over 80%.

2. **Improved mobility in extreme situations**

Even in extreme situations and extreme weather, the power stored in the storage batte ry can guarantee normal power usage.

3. **Provide considerable economic benefits**

Create economic benefits by reducing the purchase of municipal electrici ty and making rational use of local green energy.

4. **Improve corporate prestige**

The application of advanced micro-grid system can be used as a local demonstration proiect to improve local visibility and prestige.