

# C&I All-in-One Hybrid Energy Storage System

It is suitable for various scenarios such as large residential areas, supermarkets, farms, and small factories. It integrates functions including power, generation, conversion, storage, and utilization. With its high-end hardware configuration and intelligent software, it supports various application modes such as self-consumption, time-of-use, and backup mode. It meets daily usage scenarios and can also connect with other devices such as diesel generators, helping owners achieve more stable, secure, and economical electricity needs.



## Ultimate Safety

- AFCI as standard to prevent fire
- Support core health warning, CO, fire detection, cabinet-level fire protection
- AC and DC type II SPD

## Highly Integrated

- Pre-installed in the factory, no need for on-site installation and debugging
- Accessing to DG(diesel generator), no need for additional equipment
- AC coupling available

## Higher Revenue

- PV and Battery are dc coupled with high efficiency
- Wide environmental adaptability improves VPP revenue
- Intelligent scheduling, and multiple scheduling modes



Email: [info@sailsolarpv.com](mailto:info@sailsolarpv.com) Web: [www.sailsolarpv.com](http://www.sailsolarpv.com)  
Add: Cross Border E-Commerce Supervision Zone, Yulei Road, Hefei, Anhui, China



## DATASHEET

<b>Model number</b>	BESS-I100	
<b>Battery</b>		
Battery Cell	LFP 3.2V 314/280Ah	LFP 3.2V200Ah
Battery Pack	51.2V 314/280Ah	51.2V 200Ah
Battery Cluster Rated Voltage	358.4V(7 Batteries in Series)	512V(10 Batteries in Series)
Battery Cluster Rated Energy	112.53kWh/100.35kWh	102.4kWh
Recommend Charging/Discharging Current	100A	100A
Max Charge/Discharge Working Current	200A	200A
Discharge Cut-off Voltage	308V	440V
Charge Cut-off Voltage	397.6V	568V
Cycle Life	≥6000 ( 25°C ± 2°C , 0.5C / 0.5C, 90%DOD)	
<b>Cabinet</b>		
Size: W*D*H	1200*803*2375mm	
Weight	1300KG	
Level	IP54	
Operating Temperature Range	-20~50°C	
Relative Humidity	0~95%	
Altitude	<2000m	
Cooling Method	Air cooling (refrigeration, ventilation, heating)	
Noise	75dB	
System Efficiency	90%	
Fire Protection System	Integrated	
Communication	RS232/RS485/CAN	
<b>Inverter</b>		
Energy Storage Inverter, Deye or Solis 50-100KW, AC: Three Phase 380V		

\*The data in this table is for reference only, and is subject to actual delivery

\*Inverter power is selectable; please contact our sales team for details.

