

# 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



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## DATASHEET

<b>Model number</b>	BESS-I50
<b>Battery</b>	
Battery Cell	LFP 3.2V100Ah
Battery Pack	51.2V 100Ah
Battery Cluster Rated Voltage	512V(10 Batteries in Series)
Battery Cluster Rated Energy	51.2kWh
Recommend Charging/Discharging Current	50A
Max Charge/Discharge Working Current	100A
Discharge Cut-off Voltage	440V
Charge Cut-off Voltage	568V
Cycle Life	≥6000 ( 25℃±2℃, 0.5C / 0.5C, 90%DOD)
<b>Cabinet</b>	
Size: W*D*H	1200*803*2375mm
Weight	850KG
Level	IP54
Operating Temperature Range	-20~50℃
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 20~50KW, 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.

