

Commercial & Industrial Energy Storage Solutions

BLESS

Empowering the future. Together.

BESS

Hybrid Commercial and Industrial ESS

• Features

- All-in-one design with high degree of integration
- Modular design with optional modules of different sizes
- Support for grid-connected and off-grid operation
- MPPT Solar controller available as an option
- IP54 class fire and explosion-proof housing
- Patented air duct design, intelligent air cooling, 3-5°C temperature difference of the battery core



• Applications



Self-Consumption



Off grid



Demand Charge



Back Up



DG+BESS



Micro-grid



Smooth output



Peak Shifting

• Technical Specification

BESS Series Hybrid Commercial and Industrial ESS			
Model	100-160(-60)	60-160(-60)	30-75(-60)
PCS DC Parameter			
DC voltage range	650~850Vdc		
Max. DC current	158A	100A	48A
AC Parameter			
AC output power	100KW	62.5KW	30KW
AC voltage range	400V		
Frequency range	50Hz/60Hz		
AC rated current	144A	90A	44A
Output THDI	≤3%		
AC PF	-1~+1		
MPPT(Optional)			
PV DC. Max Voltage	1000V		
MPPT Voltage Range	300-800V		
Number of MPPT paths	4		
Number of branch inputs	8		
Max. branch current	13A		
Voltage range	800V		
Rrated current	80A		
Max. output current	104A		
Max. efficiency	>99%		
Battery s ystem			
DC Voltage Range	672~828Vdc		
Cell	3.2V105AH		
Battery module	51.2Vdc 10.8KWH		51.2Vdc 5.4KWH
Battery module dimension(W*D*H)	560*850*150mm		560*540*150mm
Battery Module Qty.	15	15	15
Dimension(W*D*H)	1500*1500*2400mm		1300*1100*2260mm
General Data			
System highest efficiency	98.50%	97.50%	97.50%
AC connection	3P3W/3P4W		
Cooling	Air conditioning cooling + intelligent air cooling		
Noise Level	70dB		
Temperature Range	-20℃~45℃		
Protection Level	IP54		
Altitude	3000m		
Humidity Range	0~95% (No condensing)		
Display	7" Color Touch Screen		
Upper Communication Mode	ModBusTCP/IP		
Communication Port	RS485, CAN, Ethernet		
Dimension(W*D*H)	1500*1500*2400mm		1300*1100*2260mm