



# BLUE RESIDENTIAL ESS

All In One Energy Storage System  
CATL Battery Solutions



CATL LFP Battery, stable and safe  
Module, pack, system, triple protection  
IP65, outdoor installation, away from living room



Modular design, single person can carry and  
install it. Plug and play, 30 min quick installation  
Space saving; 0.15 sq. m. foot print



Global cloud platform & Mobile APP  
anytime and any where  
Open API, support power internet applications

Battery Model		BluE-PACK5.1	
<b>Physical</b>		<b>Operation</b>	
Battery type	LFP (LiFePO4)	Max. Charge/Discharge Current	50A/80A
System Weight	54KG	Rated DC power	4096W
Dimension (W x D x H)	540*490*240	Max. Charge/Discharge Power	2825W/4096W
IP Protection	IP65	Operating Temperature Range	0 to 50°C charging -10 to 50°C discharging
Warranty	5 Year Product Warranty, 10 Year Performance Warranty	Humidity	0~95% (No condensation)
<b>Electrical</b>		<b>BMS</b>	
Energy Capacity	5.12kwh	Modules Connection	Max. 4
Usable Capacity	4.6kwh	Capacity	100-400Ah
Depth of Discharge (DoD)	90%	Power Consumption	<2W
Nominal Voltage	51.2V	Communication	CAN & RS485
DC Circuit Breaker	125A	Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature measurement
Operating Voltage Range	44.8-56.5V	<b>Certificate</b>	
Internal Resistance	<20mΩ	Safety(Cell)	
Cycle Life	10000cycle	Pack: IEC/EN 62619:UN38.3 Cell: IEC/EN 62619:UN38.3:UL1973	

\*Maximum 4 battery pack in parallel.

Stock code : 002993