

Battlink 241kWh C&I ESS

The future of energy in one integrated system!

Our 241kWh is an advanced and high-integration energy system. The system is designed in a battery cabinet and a control cabinet, where both the power (kW) and storage capacity (kWh) can be expanded to 482kWh/964kWh/723kWh/964kWh.

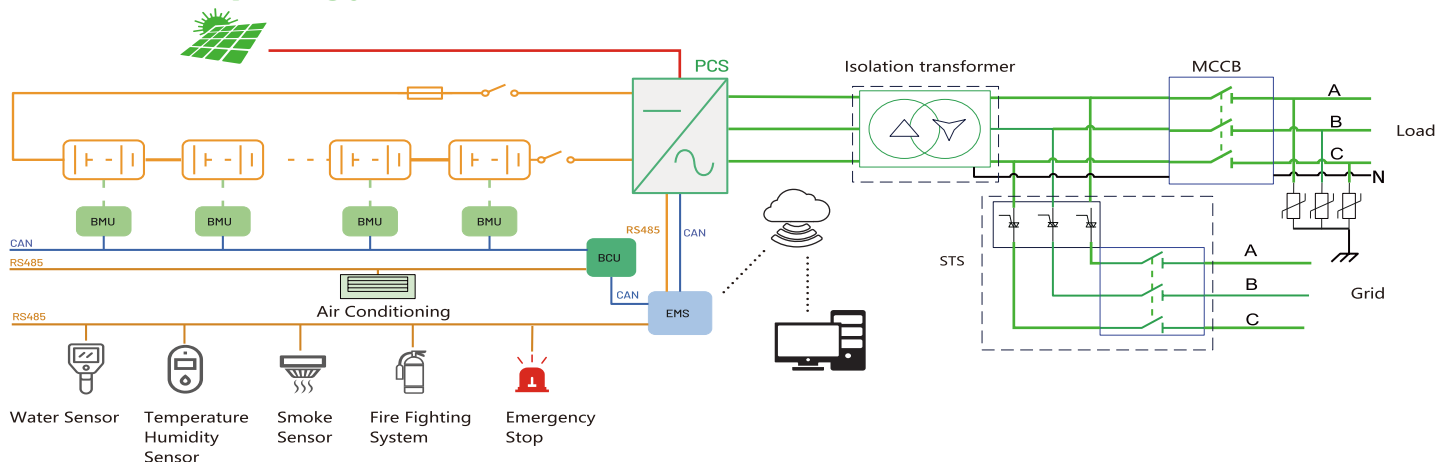
BATT-CI-100/241 series are widely used in various scenarios of industrial and commercial energy storage, covering industrial parks, supermarket, hotel, office building, data centers, solar charging station, microgrids and other fields. They reduced electricity costs, improved energy efficiency, and ensured the continued operation of critical equipment and business continuity.

Product Characteristics

Safe, Reliable and Intelligent

- Maximize battery safety by using LiFePO₄ batteries with intelligent BMS
- Optical load at 0.5C and plug and play lithium-ion battery box;
- Efficient, digital and intelligent EMS PC and APP

Product Topology



0.02

Uninterruptible Power Supply
Less than 0.02s switching time

5

5-in-1 All-round fire protection

24

Max. 24 units in parallel

93

Max. efficiency 93%

160

Max. continuous discharge current 160A

High Integration

- All systems equipped with LFP battery, BMS, PCS, isolating transformer, fire fighting system and air conditioning
- Modular design allows users to easily install.
- Suitable for different scenarios of on-grid, off-grid and microgrid.



Technical Index

MODEL		BATT-CI-100/241	BATT-CI-100/241-T
Type		100kW/241kWh	100kW/241kWh
System Parameters			
System Capacity		241.15kWh	241.15kWh
Battery specification		768V 314Ah	768V 314Ah
Cell		LFP Prismatic 3.2V314Ah	
Configuration		240S1P	240S1P
Nominal voltage		768V DC	
Nominal capacity		314Ah	314Ah
Operating voltage range		696V~852V DC	
Charge/discharge rate		0.5C	
AC on-grid parameters			
Rated output power		100kW	100kW
Maximum output power		105kW	105kW
Output		3W+N+PE	
AC Voltage		380V/400V AC	
Voltage range		-15% ~ +10%	
Power factor adjustable range		-0.9(lead)~ +0.9(lag)	
Frequency		50/60Hz	
Output harmonics		<3%@Rated power	
AC off-grid parameters			
Rated output power		/	100kW
Maximum output power		/	105kW
AC standard		/	3W+N+PE
Output haronics		/	<3%(Linear load)
AC Voltage		/	380V/400V AC
Frequency		/	50/60Hz
Overload capacity		/	105%:continuous operation; (105%~120%): 10min; (120%): stop operation
General parameters			
Dimensions (W*D*H)	BESS Cabinet	(1520*1270*2117mm)*1	(1520*1270*2157mm)*1
	Control Cabinet	/	(1210*1000*1990mm)*1
Weight		2.6T	3.5T
Isolation mode		/	Isolation transformer(built-in)
On-grid and off-grid switching device		/	STS(electronic switch)
Protection class		IP55	
Thermal management System		industrial air conditioner	
Fire protection system		Perfluorohexanone	
Operating humidity range		0%~90% non-condensing	
Operating temperature range		-20~55℃	
Maximum working altitude		5000m (> 3000m derating)	
Cycle life		≥6000 cycles	
Communication interface		CAN/RS485	
Communication protocol		Modbus-RTU, Modbus-TCP, CAN2.0B	
Standards Compliance		IEC62619 IEC61000 IEC62477 VDE4105 G98 G99 EN50549-1 BOS-P-01 C10/11 UN38.3	

