



C&I Energy Storage System

S³ All-in-one ESS

EStore 100K-B215



Product Features



Safe

- Cell status fully monitoring & multi-level fire protection
- System IP54 protection, PCS and battery IP6X protection
- Online insulation detection & Accurate positioning protection
- Fault cutting protection,



Smart

- Multi-mode operation & health status detection
- Refined thermal management means pack temperature difference within 2°C
- Online balanced management



Simple

- All-in-one design, high power density, only take up 1.3m²
- Flexible transportation & fast installation
- Free combination & flexible expansion

System Specification

Items	EStore 100K-B215
DC parameter	
Cell technology	LiFePO4 3.2V/280Ah
Battery pack configuration	43kWh
Battery pack degree of protection	IP66
System battery string configuration	1P240S
DC protection	FUSE
Energy capacity	215kWh
Battery rated voltage	768Vdc
System battery voltage range	600-876Vdc
P rate	≤0.5P
Depth of discharge	0-95%
Cooling type	Liquid cooling
AC parameter	
Rated AC power	100kW
Rated AC voltage	400Vac, 3P3W+PE
AC voltage range	-15%-10%(controllable)
Nominal grid frequency	50/60Hz
Nominal grid frequency range	45-55Hz/55-65Hz
THDI	<3%
DC component	<0.5%
PCS degree of protection	IP65
Cooling type	Intelligent air cooling
AC parameter	
Max. efficiency	91%
Dimension(W*H*D)	1000*2250*1300mm
Weight	2100kg
Degree of protection	IP54
Anti-corrosion grade	C3(C5 optional)
Relative humidity	0 - 95 % (non-condensing)
Operating temperature range	-20 to 55°C
Max. working altitude	3000m
Cooling type	Liquid cooling
Anti-explosion type	Anti-explosion valve
Fire safety equipment	NOVEC,F200(optional), flammable gas detector(optional)
Communication interface	Ethernet/CAN/RS485
Communication protocol	Modbus TCP
Compliance	IEC62619, IEC62477, UN38.3
Accessories	eStorE TR100(On/off grid optional)

*Specifications are subject to change without prior notice.

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