

Commerical & Industrial Energy Storage System



Safe

- LFP battery : highest saftety certified
- Multi-level battery protection
- System IP54 protection and battery IP65



Simple & Fast

- All-in-one design
- Fast installation
- Flexible transportation
- Easy maintenance



Scalable & Customized

- Modular design
- Parallel connection & easy capacity expansion
- Customized solutions



Smart

- Health status detection
- Intelligent thermal management
- Multi-mode operation

FPR ES215

DC Parameter	
Cell technology	LiFePO4 3.2V/280Ah
Battery pack configuration	43kWh
IP ratings	IP66
System battery string configuration	1P240S
DC protection	Fuse
Energy capacity	215kWh
Battery rated voltage	768Vdc
System battery voltage range	600-876Vdc
Max.C-rate	<0.5C
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	50Hz/60Hz
Nominal grid frequency range	45Hz-55Hz/55Hz-65Hz
THDI	<3%
DC component	<0.5%
PCS IP ratings	IP65
Cooling type	Intelligent air cooling
Others	
Max. efficiency	91%
Dimension(W*H*D)	1,000*2,250*1,300 mm
Weight	2,100 kg
Degree of protection	IP54
Anti-corrosion grade	C3(C5 optional)
Relative humidity	0 - 95% (non-condensing)
Operating temperature range	-20°C to 55°C
Max. working altitude	3,000 m
Cooling type	Liquid cooling
Anti-explosion type	Anti-explosion valve
Fire safety equipment	NOVEC, FM200(optional), flammable gas detector(optional)
Communication interface	Ethernet/ CAN/ RS485
Communication protocol	Modbus TCP
Compliance	IEC62619, IEC62477, UN38.3
Accessories	TR100(On/ off grid optional)

*Specifications are subject to change without prior notice.

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