

All-in-one iESS Cabinet

IEC CE UN38.3

Product Feature >>>

768V/280AH

100KW/215KWH



Safe and reliable

Equipped with a three-level fire protection system to achieve all-round protection from the inside out
BMS, PCS, EMS integrated design, 3S homologous system is safer



Multiple Benefits

Supports demand side response and virtual power plants to achieve multiple benefits and support dynamic switching of energy regulation strategies.



Run efficiently

No isolation design improves system efficiency Independent single cluster battery, no circulation, reducing power loss






Convenient Application

Multi-scene application, free combination of 0.25C~0.5C
One-piece design is highly integrated, making installation and maintenance more convenient



Product Data Sheet >>>

MODEL	iESS-Cube 215
Battery Data	
Battery type	LiFePO4
Battery Cell capacity	3.2V/280Ah
Battery Cell combination	1P240S
Nominal capacity	215kWh
Rated voltage	768V
Voltage rage	DC 636-876V
Max charge/discharge current	Rated 0.5C
DOD	90%
Cooling method	Fan Cooling
AC Output	
AC side rated power	100kW
Maximum power on AC side	110kW
Current total harmonic distortion rate	<3% At rated power
DC component	<0.5%Output rated current
AC side rated voltage	380V AC
Allowable grid voltage range	320V~460V
Communication access method	3P+N+PE
Rated grid frequency	50/60Hz
Power factor range	0.98(lead)~0.98(lag)
Off-grid operation	Support
System Data	
Dimensions(WxDxH)	1600*1280*2210mm
Weight	2.5t
Protection grade	Ip54
Anti-corrosion grade	C5
Operating temperature	-20°C-55°C
Storage temperature	-30°C-55°C
Relative humidity	<100%
Temperature control	Industrial grade temperature controlled air conditioner
Fire protection	Pack aerosol + perfluorohexanone + water fire interface
Altitude	>3000m requires derating
PCS cooling method	Temperature controlled forced air cooling standard:
Communication protocol	Modbus/104/MQTT
Communication interface	RS485, RJ45,4G

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