



**HOENERGY**  
HOLD YOUR ENERGY

## EFIS-A Series

# 100kW/215kWh AIO ESS Cabinet

EFIS-A-W100/215-AIO



### Smart & User-friendly

- Seamless transition to backup mode against power outage
- Advanced BMS with multiple sampling points coverage, supply real-time data feedback
- Support power backup, peak shaving, PV self-consumption, PV smoothing and etc. various applications



### All-in-one Design

- Support 3 phase 4 wire load without transformer
- Load shifting for time-of-use savings
- Black start capability for power backup and microgrid applications.



### Convenient & Flexible

- Support multiple parallel connections to expand power and capacity
- Plug and play, easy for installation, operation and maintenance
- Small footprint and IP55 protecting grade for outdoor installation environment



### Safe & Reliable

- Fuse self-blowing in battery pack, increase safety protection
- Pack, cabinet and water fire interface, three-level fire protection design
- Independent single cluster battery without circulating current, safer for use

**Model No.****EFIS-A-W100/215-AIO****PCS Data****AC Connection**

Rated Grid Voltage	Vac	400 (3P,N,PE) or (3P,PE)
Grid Voltage Range	Vac	352-440
Rated Grid Frequency	Hz	50
Rated AC Power	kVA/kW	100
Rated AC Current	A	145
Max.Continuous AC Current	A	167
Maximum AC Power	kVA/kW	110
Current THD	%	<3
DC current injection		<0.5% rated current
Power Factor		-1 to 1, continuously adjustable

**DC Connection**

DC Voltage Range		650-1350 Vdc for 3P3W/700-1350 Vdc for 3P4W in Off-grid mode
Start Up DC Voltage	V	650
Rated Discharge /Charge Power	kW	102/98
Max.Discharge /Charge Current	A	157/151

**Standalone Operation**

Rated Output Voltage	Vac	400 (3P,N,PE)
Rated Output Power		100 kVA/kW with linear load; 80 kVA with RCD load (Ipk≤240A)
Rated Output Current	A	145
Output Voltage THD		<3%@rated linear load

**Genera**

User Interface		LED, EPO, Ethernet
Communication		Ethernet/Modbus TCP
Dimension (W*D*H)	mm	600*500*2000
Net Weight	kg	230
Cooling		Forced air with speed control
Enclosure Rating		IP55

**Battery Data**

Battery Type		LiFePO4
Battery Cell Capacity	Ah	280
Battery Cell Combination		1P240S
Rated Capacity	kWh	215.04
Nominal Voltage	V	768
Voltage Range	V	600-876
Max. Charge&Discharge Current	A	140
Depth of Discharge	%	95
Net Weight	kg	2160
Dimension(W*D*H)	mm	1200*1280*2419
Operating Temp. Range	°C	-30~+50
Cycle Life		>6000 Cycles
Protection Level		IP55
Anti-corrosion Grade		C4
Temperature Control		Industrial Air-conditioning
Fire Protection		Pack & Cabinet Aerosol + Water fire Interface

**Communication**

Communication Protocol	RS485/CAN
Communication Interface	RJ45

Certification & Safety Standard UN38.3, CE, IEC62619, VDE, EN50549-1, C10/26, NTS Type A/Type B, CEI 0-21, G99-1/9 Type A, Cyber security, PEA, MEA

\*The data sheet will be changed according to actual situation without prior notice.

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