



PowerPLANT series

Outdoor liquid cooled battery cabinet



High capacity and long life

Preferred battery, first-line brand 280/314Ah LFP battery, the longest cycle life of 12000Cycle
Variable frequency liquid cooling, new intelligent temperature control management, cell temperature difference $< 3^{\circ}\text{C}$, temperature rise is reduced by 3°C , system life is increased by 33%

Fine management, accurate BMS algorithm, guide the healthy operation of the battery and power demand response, RTE increased by 2%



Flexible adaptation

Highly integrated, High energy density design, Shoulder to shoulder back-to-back design, saving more than 50% of the floor area
Full container delivery, factory pre-installation, full container transportation, construction cycle reduced by 40%, installation cost reduced by 60%

The system collocation is high, BMS multi-level strategy management, Flexible selection of centralized PCS and modular PCS



Ultimate Protection

Physical isolation + electrical protection, electrical core-grade thermal isolation, IP67
Pack sealing protection, multistage overcurrent breaking

Fire and explosion integration, all-round multiple fire protection, Pack level, cabinet level two layers of explosion, prevent fire and explosion

Waterproof and anticorrosive, cabinet IP55 protection, outdoor multi-environment application, C5 island anticorrosion, 20 years of reliability



SYSTEM PARAMETER

Item	PowerPLANT 370	PowerPLANT 410
Cell type	LiFePO4	LiFePO4
Nominal energy	372.73kWh	417.99kWh
Nominal capacity	280Ah	314Ah
Rated voltage	1331.2Vdc	1331.2Vdc
Operating voltage range	1164.8Vdc~1497.6Vdc	1164.8Vdc~1497.6Vdc
Maximum charge/discharge current	0.5P@ 25°C	0.5P@ 25°C
Communication	RS485, CAN, 4G	RS485, CAN, 4G
Dimensions (W*D*H)	1300*1300*2350mm	1300*1300*2350mm
Weight	≈3.5T	≈3.5T
Temperature	-30~55°C	-30~55°C
Humidity	0~95%RH	0~95%RH
Altitude	< 4000m	< 4000m
Protection level	IP55	IP55
Fire fighting	Cabinet level, Pack level, aerosol/ perfluorohexanone optional Water fire fighting and explosion venting plates are standard	
Cooling method	Liquid cooling, cabinet-level cell temperature difference < 3°C	
Cycle life	> 8000@ 25°C@ 0.5C	> 12000@ 25°C@ 0.5C
Certification	IEC62619/CE/UL1973/UL9540A/UN38.3/RoHS	IEC62619/CE/UL1973/UL9540A/UN38.3/RoHS

 **Address**
No.8, Keji Avenue, Gaocheng
Town, Yixing City, Jiangsu
Province, P.R. CHINA

 **Website**
www.en.febbattery.com

 **Base**
ESS:
Yixing, China
Cylindrical Cell:
Yichun, China

 **Far East Greater Bay Area
Headquarters**
located on 34F, Block C, Hongrongyuan
Huanzhi Center, Longhua District, Shenzhen
 **Customer Service Center**
located at Wheelock International Plaza,
No. 1717 Nanjing West Road, Jing'an District,
Shanghai

 **Sales Office**
EUR: Rotterdam, Netherland
Frankfurt, Germany
Milano, Italy
ASIA: Shenzhen&Shanghai, China

 **Service Center
& Warehouse**
EUR: Rotterdam, Netherland
Frankfurt, Germany
Fermo, Italy