



PowerPLANT series

Outdoor liquid cooled energy storage
Converged cabinet



Ultimate Safety

- Battery Cell Firewall
- Full-Scale Firefighting
- Cloud-Edge-Device Collaboration



Profits Evergreen

- Premium Battery Cells
- Variable Frequency Liquid Cooling System
- Turnkey delivery



Effortless Website Construction

- Five-Star Service
- Remote Inspection
- Eco-Friendly

SYSTEM PARAMETER

Model		PowerPLANT H230 PLUS
BESS Specification		
Energy Capacity		232kWh
BESS Configuration		1 set of 832V/280AH lithium battery energy storage system
Rated Voltage		832V
Working Voltage Range		DC728V ~ DC936V (2.8V ~ 3.6V)
Cell Type		LFP
PCS Specification		
DC side	Voltage Range	DC600V ~ DC950V
	Max. Current	140A
AC Parameter (Grid Connected)	Output Wires	3W+N+PE (including isolation transformer)
	Nominal Power	50kW *2
	Nominal Voltage	AC 400V
	Nominal Current	144A
	Nominal Grid Frequency	50Hz
	Grid Frequency Range	±2Hz
	Power Factor	1
	THD	< 3%(@ Nominal Power)
AC Parameter (Grid Off)	Output Wires	3W+N+PE (including isolation transformer)
	Nominal Power	50kW *2
	Nominal Voltage	AC 400V
	Nominal Current	144A
	Nominal Grid Frequency	50Hz
	Grid Frequency Range	±2Hz
	Power Factor	1
	THD	< 3%(@ Nominal Power)
Overload capacity		110%, normal operation; 120%, 1 minute;
Basic Specification		
Environment	Working Temp	-20°C ~ 55°C
	Storage Temp	-20°C ~ 60°C
	Relative Humidity	0%RH ~ 95%RH,(non-condensing)
	Working Altitude	<45°C ,2000m; (2000m ~ 3000m derating)
	Noise	< 80dB (1 meter from the equipment)
Others	Communication	RS485(modbus-TCP/RTU)
	IP Level	IP54
	Cooling method	Liquid Cooling
	Fire Protection	Aerosol
	Dimensions (W*D*H)	1612 *1350 *2300mm
DC/DC Module Parameter List		100kW
Low voltage side work voltage range		200V~900V
Low voltage side full load voltage range		345V~900V
Maximum current at low voltage side		160A
Low voltage side input channels		4
High voltage side work voltage range		250~950V
High voltage side full load voltage range		500V~950V
Maximum DC current on high voltage side		110A
High voltage side input channels		2
Communication Interface		RS485/CAN (optional)
STS Parameter List		
Rated power		150kW
Maximum power		165kW
Rated AC voltage		400Vac , 3W+N+PE
Rated frequency		50Hz
Rated AC current		216A
Switching time		< 10ms
Isolation Transformer Parameter List		
Rated Capacity		100kVA
Primary voltage/Secondary voltage		400V/400V
Overload Capacity		110%Overload, continuous running
Rated frequency		50Hz
Rated AC current		144A



Address

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



Base

ESS:
Yixing,China

Cylindrical Cell:

Yichun,China



Far East Greater Bay Area Headquarters

34F, Block C, Hongrongyuan Huanzhi Center, Longhua District, Shenzhen



Customer Service Center

2nd Floor, No. 1, Lane 1619, Pingxingguan Road, Jing'an District, Shanghai



Sales Office

ASIA: Shenzhen&Shanghai, China

EUR: Rotterdam, Netherland
Milano, Italy
Frankfurt, Germany
Santiago de Chile, Chile



Service Center & Warehouse

EUR: Rotterdam, Netherland
Frankfurt, Germany
Fermo, Italy



Website

www.en.febbattery.com