

Galaxy 233 L-AIO-2H

233 kWh+100kW Liquid-Cooling Storage Cabinet



Features

- Liquid Cooling
- Active Balancing
- Seamless On-grid/Off-grid Transition
- VSG , PQ ,VF Function Available
- Easy for Installation
- Easy for Transport

Innovated All-In-One BESS



Smart & Reliable Battery Management

- Active balancing
- Support black start
- Real-time monitoring

Advanced Thermal & Structural Design

- High-Efficiency liquid cooling system
- Easy transport, loading, and installation
- Aerosol fire suppression integrated
- IP54 protection

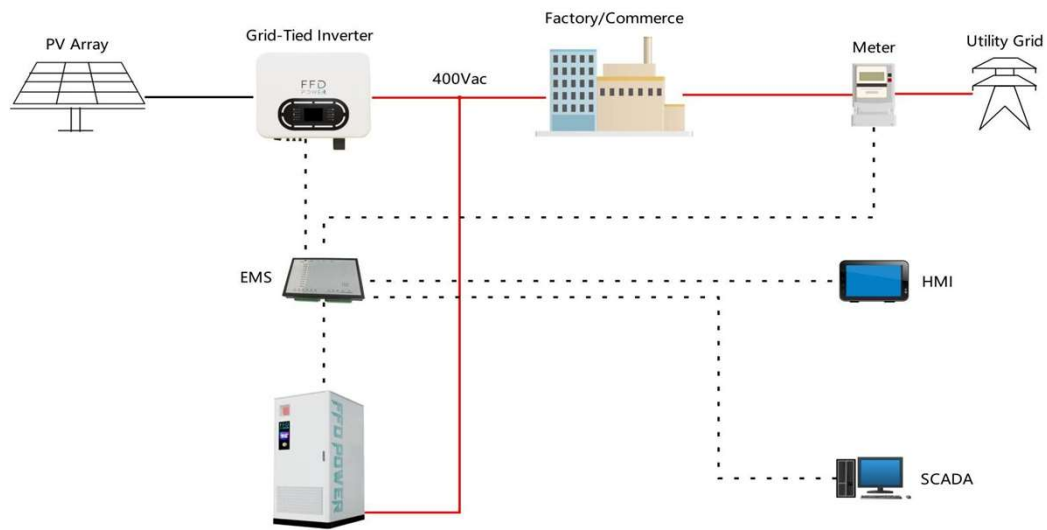
All-in-One System Integration

- EMS integrated with AWS Germany server
- Remote maintenance and updating access integrated
- Plug and play
- 15 mins working mode system

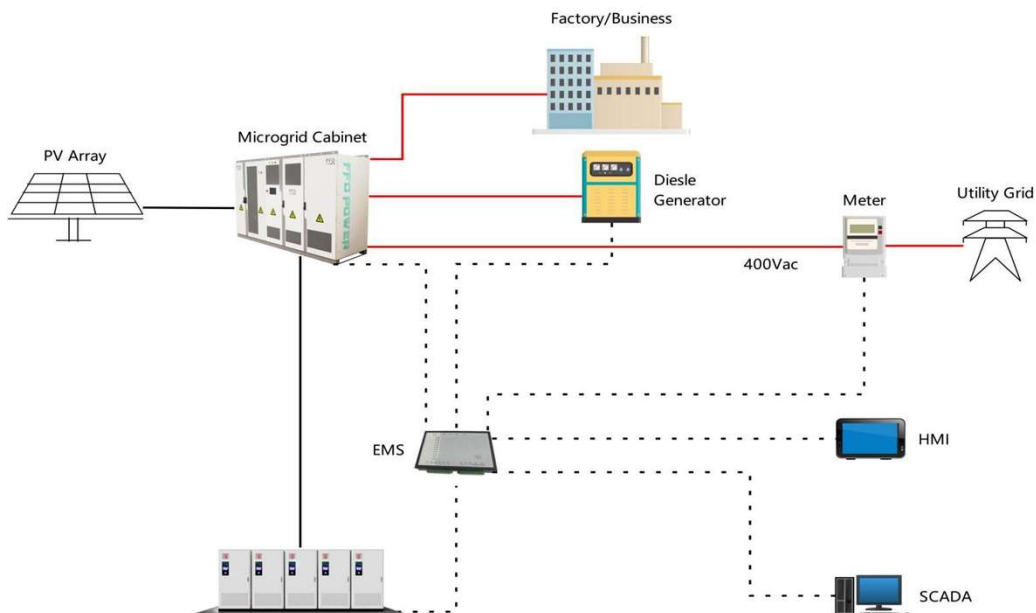
Smart High-Efficiency PCS

- String type
- VSG, PQ, VF function available
- Seamless on-grid/off-grid transition
- Support off-grid parallel operation

Storage Cabinet System Applications



400V BESS Solution for PV Self-Consumption Optimization



Advanced 400V BESS for Microgrid Applications

Battery Cabinet Technical Parameters

Galaxy 233-AIO-2H Battery Parameter	
Module	Galaxy 233L-AIO-2H
Cell Type(Ah)	LFP, 280Ah
Battery Configuration	1P52S*5
Battery At DC Side	233 kWh
System Output Voltage Range	650V~949V
Dimensions Of Battery Unit (W *H * D) mm	1150*2230*1335mm
Weight Of Battery Unit (kg)	≈2750
Degree Of Protection	IP54
Corrosion Protection Level	C 3
Relative Humidity	0 ~ 85 % (non-condensing)
Operating Temperature Range	-20°C ~ 60°C (> 45°C derating)
Max. Working Altitude (m)	3000
Cooling Concept Of Battery Cabinet	Smart liquid cooling
Fire Safety Equipment	Combustible gas detection and ventilation systems, aerosol fire suppression
Certificate	CE/IEC 62619/IEC 63056/UN 38.3/MSDS

100kW PCS Technical Parameters

100kW PCS Parameter	
Module	EPCS105-AM-F
DC Side	
Maximum Voltage (V)	680~950
Maximum Charge And Discharge Current (Adc)	170
AC Side (On-Grid)	
Rated Voltage (V)	230/400, 3W+N+PE
Rated Output Power (kW)	105
Max. Output Power (kVA)	115.5
Rated Input Frequency	50/60Hz
Overload Capacity	110% long term
Maximum Discharge Efficiency	≥98.5%
AC Side (Off-Grid)	
Rated Output Voltage	230/400, 3P+N+PE
Rated Output Frequency	50/60 Hz
Maximum Output Active Power (kW)	105
Maximum Output Apparent Power (kVA)	116
General Parameters	
Range Of Working Temperature	-30℃~55℃ (>45℃ frequency reduction)
Degree Of Protection	IP20
Working Altitude	≤4000m (derate for use above 2000)
Cooling Method	Intelligent air cooling
Humidity	0%RH~95%, no condensation
Dimensions (W*D*H)	544*717*270
Weight (Kg)	50
Battery BMS Communication Interface	CAN, RS485
Protection Level	IP20
Certification	EN 61000-6-2 , EN 62477-1 , EN 50549-1, NRS 097-2-1 , VDE 4105:2018 , VDE 0124- 100:2020-06 , CEI 0-16 , CEI 0-21

 +86 13377773990

 sales@ffdtec.com

 @FFD POWER

 @FFD POWER

 www.ffdpower.com

FFD POWER leads the way in manufacturing battery energy storage systems. Concurrently, we offer comprehensive turnkey solutions, encompassing both DC and AC coupled systems. Our solutions cover a spectrum of applications, including energy backup, peak shaving, load shifting, transformer enhancement, and energy arbitrage. Services provided span system design, integration, training, installation, and warranty, offering a complete approach to diverse energy storage needs. With offerings ranging from 5 KWh to 100 MWh, our turnkey solutions signify a holistic solution for various energy storage requirements.

