

Galaxy 233/261L-AIO-2H

233/261kWh+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

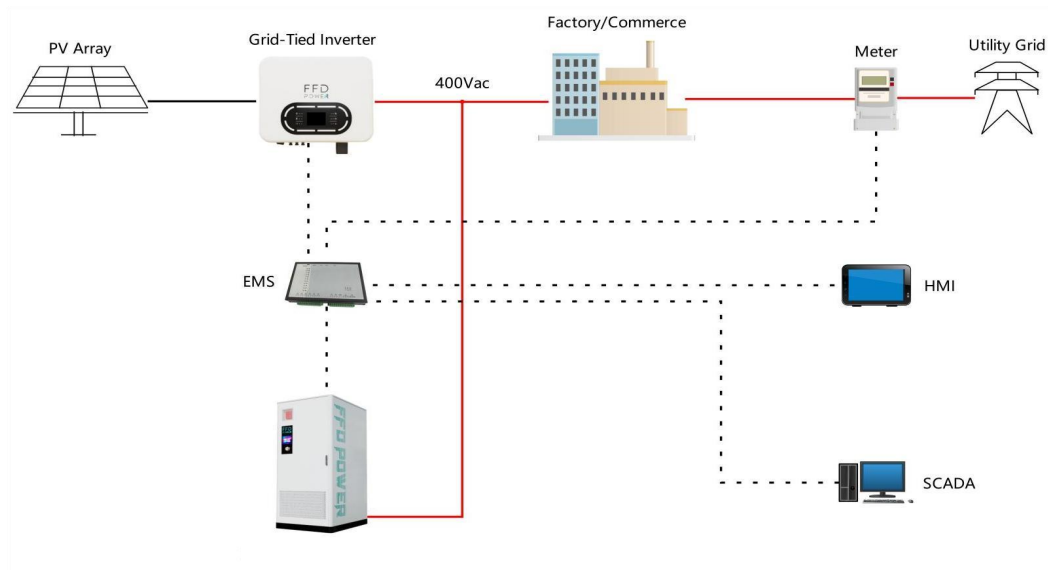
All-in-One System Integration

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

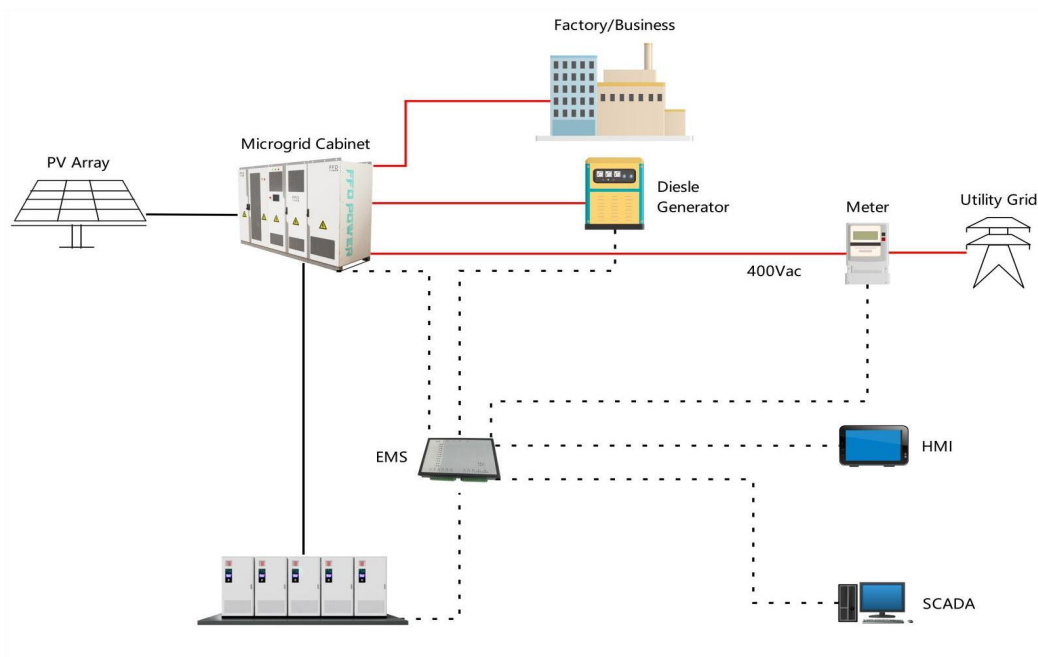
Smart High-Efficiency PCS

- 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 233/261-AIO-2H Battery Parameter		
Module	Galaxy 233L-AIO-2H	Galaxy 261L-AIO-2H
Cell Type(Ah)	LFP, 280Ah	LFP, 314Ah
Battery Configuration	1P52S*5	
Battery At DC Side	233 kWh	261 kWh
System Output Voltage Range	650V~949V	728V~910V
Dimensions Of Battery Unit (W *H * D) mm	1150*2230*1335mm	
Weight Of Battery Unit (kg)	≈2750	2850kg
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

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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.

