



All In One Microgrid System



All-in-one C&I Battery Energy Storage System

Flyfine all in one Microgrid System Highly Integrates LiFePO4 Battery, battery management systems, energy storage inverter modules, photovoltaic inverter modules, on-grid and off-grid switching modules, fire protection systems, and temperature control systems, lighting system and monitoring system are integrated. Adopting a modular design, it can flexibly respond to various needs in practical applications, and create low-carbon and high-yield solutions for different application scenarios.

Flyfine All in one microgrid system / CE

- ▶ Capacity: 215Kwh + PCS : 100kw (Strong R& D, support customizable)

Efficient heat dissipation

- ▶ Air conditioning + multi-duct design, efficient heat dissipation

Flexible configuration

- ▶ Support maximum 10 units in parallel

Fully-featured

- ▶ One system with multiple functions, supports optional functions such as PV storage, diesel storage, energy storage, off-grid, on/of grid switching (optional)

UPS function

- ▶ Equipped with UPS function, it can effectively guarantee the safety and stability of equipment operation

Pre-fabricated installation

- ▶ All components except battery module are pre-fabricated installed, which is convenient for installation and easy to debug and maintain

Intelligent management

- ▶ Equipped with intelligent monitoring and management system, it can realize remote monitoring, remote troubleshooting and data analysis

Model	FBA-89600H	FBA-107520H	FBA-179200H	FBA-197120H	FBA-215040H
BATTERY (DC)					
Nominal Voltage	320V	384V	640V	704V	768V
Capacity(Ah)	280AH				
Rated Energy(Kwh)	89.6Kwh	107.52Kwh	179.2Kwh	197.12Kwh	215.04Kwh
Cycle Life	≥6500 cycles@25°C, 90%DOD, 60%EOL				
PV INPUT (DC)					
Recommend PV Input Power	50KWp		100KWp		
Number of MPPT	2/1		4/2		
MPPT Voltage Range	200-600V				
AC POWER (AC)					
Rated AC Output Power	50KW		100KW		
Maximum AC Current	72A		144A		
AC Voltage Range	400V,3W+N+PE/3W+PE				
Rated Grid Frequency	50HZ/60HZ				
Grid Type	Three phase				
Overload Capability	110%,10min/120%,1min;				
PF	-1.0cap~1.0ind				
THDI	<3%				
GENERAL DATA					
Environmental Temperature	-25-60°C(Derating above 45°C)				
Relative Humidity	0-95% non-condensing				
Protection Degree	IP54				
Noise Emission(dB)	≤70dB				
Isolation Transformer	Optional				
Cooling	Forced-air				
Display	Touch screen LCD				
Communication Interface	Ethernet/Can-bus				
Altitude	3000m (derating exceeding 2000m)				
Dimension(W*D*H)	1200*1355*2150 mm			1850*1355*2150 mm	
Weight	1620kg	1750kg	2140Kg	2270Kg	2400Kg

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