



More Detailed Information

C&I Energy Storage System

IVGM 50kW inverter & FLH 614.4V high-voltage LFP battery

System Features

-  Cabinet-based design, worry-free outdoor installation.
-  Maximum energy storage capacity reaching 5.7 MWH.
-  Supports single-phase input, three-phase output.
-  Supports 150% unbalanced three-phase output (max. single-phase output up to 25 kW).
-  Meets global different grid standards.
-  Time of Use function, smarter grid utilization.
-  1000V PV input for maximum solar energy harvest.
-  Real-time monitoring, better management.
-  Inverter with IP65 protection.
-  Excellent battery system temp adjustment with air condition.
-  LFP battery with built-in aerosol fire extinguishing system.
-  Compatible access for generator, smart load, or micro inverter.
-  High scalability for flexible system expansion



FLH-E60

Scenarios



Small and Mid-sized Factories



Community Hospitals



Neighborhood Supermarkets



Farms



Hotels



Specifications

Model	FLH-E60	
System Specification		
Nominal Input/Output Power (kW)	50 kW	
AC Input/Output	50 /60 Hz; 3L+N+PE; 220/380,230/400 Vac	
System Energy (kWh)	61.44 kWh	
Module Capacity (Ah)	100 Ah	
AC Input/Output Rated Current (A)	79.7 A	
System Operating Voltage (V)	576~691.2 V	
Number of Battery Modules	12	
Humidity	5%~95%	
Altitude	≤2000 m	
IP Rating of Enclosure	Ip55	
Dimension (W*D*H,mm)	780*1056*2235(no contain inverter)	
Weight Approximate (kg)	1100 kg(no contain inverter)	
Installation Style	Floor-Mounted	
Warranty	10 years	
Battery Technical Specification		
Battery Chemistry	LiFePO4	
Battery Module Energy	5.12 kWh	
Battery Module Nominal Voltage (V)	51.2 V	
Recommend Charge/Discharge current (A)	50 A	
Max.continuous Charge/Discharge current (A)	100 A	
Peak Discharge (5S, 25°C) (A)	125 A	
Battery Communication	RS485/CAN	
Storage Temperature (°C)	0~35°C	
Operating Temperature Range (°C)	Charge: 0~55°C	
	Discharge: -20~55°C	
Depth of Discharge	90%	
Cycle Life	≥6000@25°C, 80%DOD	
Battery Module Certification	CE, IEC62619, UN38.3	

Product Overview



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