

125kW / 257kWh C&I Energy Storage System

FLH-E257

Flexible DC-coupled energy storage for peak shaving, load shifting, solar utilization and backup power.



125kW Hybrid Power Platform

Supports grid-connected, off-grid, backup and generator-integrated applications.

Assembled 257 kWh Cabinet

Pre-assembled and delivered as a complete unit for simple inverter connection

Modular and Flexible Expansion

Expand through parallel connection or by adding battery cabinets to meet diverse application needs.
Scalable to 98.6 MWh.

Engineered for Outdoor Reliability

Multi-level protection, high ingress protection and corrosion resistance help support reliable outdoor operation.

IP55

Cabinet Protection

250kW

Max. PV Input

Air Cooling**314Ah**

Cell Capacity

12 Units

Max. Parallel Operation

Guangzhou Felicity Solar Technology Co.,Ltd.

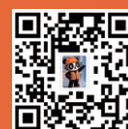
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(Only 10 Mins from Baiyun Airport)

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Official Website



Social Media

IVGM125KHP3G1 Hybrid Inverter

Battery Input Data		
Battery Type		LFP (LiFePO4)
Battery Voltage Range		160-950 Vdc
Max. Charging / Discharging Current		120 A+120 A / 120 A+120 A
Number of Battery Inputs		2
PV String Input Data		
Max. DC Input Power		250 kW
Max. DC Input Power per Tracker		25 kW
Max. DC Input Voltage		1000 Vdc
Start-up Voltage		180 Vdc
Rated DC Input Voltage		600 Vdc
MPPT Range		150-950 Vdc
Full Load DC Voltage Range		555-950 Vdc
PV Input Current		10 x 45 A
Max. PV Isc		10 x 68 A
No. of MPP Trackers		10
Strings per MPPT Tracker		2
AC Input / Output Data		
Rated AC Input / Output Power		125 kW
Max. AC Input / Output Power		137 kVA
AC Rated / Max. Current		181.2 A / 198.6 A
Max. Output Overcurrent Protection		270 A
Max. AC Bypass (grid to load)		270 A
Rated AC Voltage		220/380, 230/400 Vac
AC Wiring / Frequency		3L+N+PE / 50-60 Hz
THDI		<3% at rated power
Power Factor		0.8 leading to 0.8 lagging
Efficiency & General Data		
Max. / Euro / MPPT Efficiency		98.8% / 98.2% / 99.90%
Protection Degree		IP66
Operating Temperature		-40 to 60°C (>45°C derating)
Net / Gross Weight		151.6 kg / 208.5 kg
Product Dimension		1250 x 796 x 364 mm
Warranty		10 years

FLH-E257 Energy Storage Cabinet

Overall System Parameters		
Model		FLH-E257
System Rated Energy		257.22 kWh
Battery Nominal Voltage		819.2 V
Battery Operating Voltage		742.4-921.6 V
Humidity		5%-95% RH
Altitude		3000 m
Enclosure / Anti-corrosion		IP55 / C4 (C5 optional)
Dimension (W x D x H)		1350 x 1300 x 2400 mm (without inverter)
Approx. Weight		2780 kg (without inverter)
Heat Exchange / Installation		Smart air cooling / Floor-mounted
Warranty		10 years
Battery Technical Specifications		
Battery Chemistry / Cell Type		LiFePO4 / 314 Ah
Battery Module Energy		16.07 kWh
Number of Battery Modules		16
Module Nominal Voltage		51.2 V
Recommended Charge / Discharge		157 A
Max. Continuous Charge / Discharge [1]		240 A
Battery Communication		RS485 / CAN
Storage Temperature		0-35°C
Operating Temperature [2]		-20-55°C
Depth of Discharge		90%
Cycle Life		≥8,000 @25°C, 0.5P, EOL70%
Certification		UN38.3, CE, IEC62619, IEC63056, IEC62477

[1] Current is affected by temperature and SOC.
[2] Derated operation above 45°C.

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