

GE-F60-EU



All-In-One Hybrid ESS GE-F60 (50KW/60KWh)

- Rated power operation the maximum temperature of the battery is less than 40°C.
- EMS, hybrid inverter and BMS integrated technology, power supply redundancy design, support black start function, Off grid operation, etc.
- Suitable for high rate cyclic charging and discharging scenarios.
- Lithium Iron Phosphate (LFP) Battery, The battery pack and system adopt an aerosol fire extinguishing solution.
- Combustible gas, smoke and temperature detection, system active exhaust, and fire alarm .
- Supports battery expansion, with a maximum capacity of 360KWh

Technical Data

Model	GE-F60-EU
System Specification	
Nominal Output Power/UPS Power (W)	50000
AC Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac
Grid Type	Three phase
Energy Configuration (kWh)	61.4
Dimension (W x D x H,mm)	735x1045x2235(no contain inverter)
Weight Appr. (kg)	1015(battery)+80(inverter)
AC Output Rated Current (A)	75.8
Battery Operating Voltage (V)	500 ~ 700
Max. charging/discharging efficiency	91%
Battery Chemistry	LiFePO4
IP Rating of Enclosure	IP55
Installation Style	Floor-Mounted
Warranty	10 years
Inverter Technical Specification	
Max. PV Input Power (W)	65000
Max. PV Input Current (A)	36+36+36+36
Rated PV Input Voltage (Vdc)	600
Start Up DC Voltage (Vdc)	180
MPPT Voltage Range (Vdc)	150-850
Max. PV Short-circuit Current (A)	55+55+55+55
Number of MPPT	4
Peak Power (off grid)	1.5 time of rated power, 10s
Power Factor	0.8 leading to 0.8 lagging
THD	<3%
DC injection current (mA)	<0.5%In
Display	LCD
Operating Temperature Range (°C)	-40~60(>45°C derating)
Relative Humidity	15% ~ 85% (No Condensing)
Dimension (W x D x H,mm)	527x294x894
Inverter Communication	CAN,RS485,WIFI,ETH
Safety EMC / Standard	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4, VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150
Grid Regulation	
Max. Efficiency	97.6%
MPPT Efficiency	99.9%
Battery Technical Specification	
Battery Module Nominal Voltage (V)	51.2
Battery Module Energy (kWh)	5.12
BMS Communication	CAN
Battery Module Dimension(W*D*H mm)	440x570x133
Battery Module Weight (kg)	45
Operating Temperature Range	Charge: 0~55°C / Discharge: -20°C~55°C
Cycle Life	≥6000(@25°C±2°C,0.5C/0.5C,70%EOL)
Battery Module Certification	CE, IEC62619, IEC62040, UN38.3