

GE-F60



High Voltage

All-In-One Hybrid ESS

GE-F60 (50KW/60KWh)



◆ Intelligent temperature control

Built-in air conditioner, the maximum temperature of the battery is less than 40°C

◆ Reliable

Positive Balance Intelligent BMS, providing complete protection, can effectively extend cycle life of battery packs

◆ Flexible

EMS and BMS integrated technology, AC/DC power supply redundancy design, support black start function

◆ Safer

Prismatic Lithium Iron Phosphate (LFP) Battery, Using perfluorohexanone fully submerged fire fighting system

Model	GE-F60
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)	60
Dimension (W x D x H,mm)	735x850x2200 (no contain inverter)
Weight Appr. (kg)	880
AC Output Rated Current (A)	75.8
Battery Operating Voltage (V)	500 ~ 700
Battery Chemistry	LiFePO4
IP Rating of Enclosure	IP55
System Certification	UN38.3, IEC62619, CE, CEI 0-21, VDE-AR-N 4105, IEC 62109
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)	44+44+44+44
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)	<0.5In
Display	LCD
Operating Temperature Range (°C)	-40~60(>45°C derating)
Relative Humidity	15% ~ 85% (No Condensing)
Dimension (W x D x H,mm)	420x233x670
Inverter Communication	CAN,RS485,WIFI,ETH
Safety EMC / Standard	UL1741, FCC, 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
Grid Regulation	VDE4105,IEC61727/62116,VDE0126,AS4777.2,CEI 0 21,EN50549-1, G98,G99,C10-11,UNE217002,NBR16149/NBR16150
Max. Efficiency	97.6%
Max. charging/discharging efficiency	91%
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)	44
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

Typical application cases

