

G125K-LE260

**Rechargeable
Liquid Cooling Li-ion
Battery Storage System**



Smaller Footprint

Higher energy density benefit from latest LFP technology

Expandable

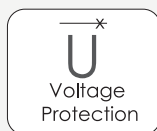
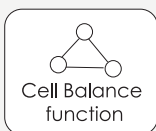
Module design
Support max 10sets in parallel

Monitor

Real-time monitoring of battery charging and discharging, online system updates and maintenance

Fire fighting

Lithium Iron Phosphate (LFP) Battery, The battery pack and system adopt an aerosol fire extinguishing solution



Technical Data

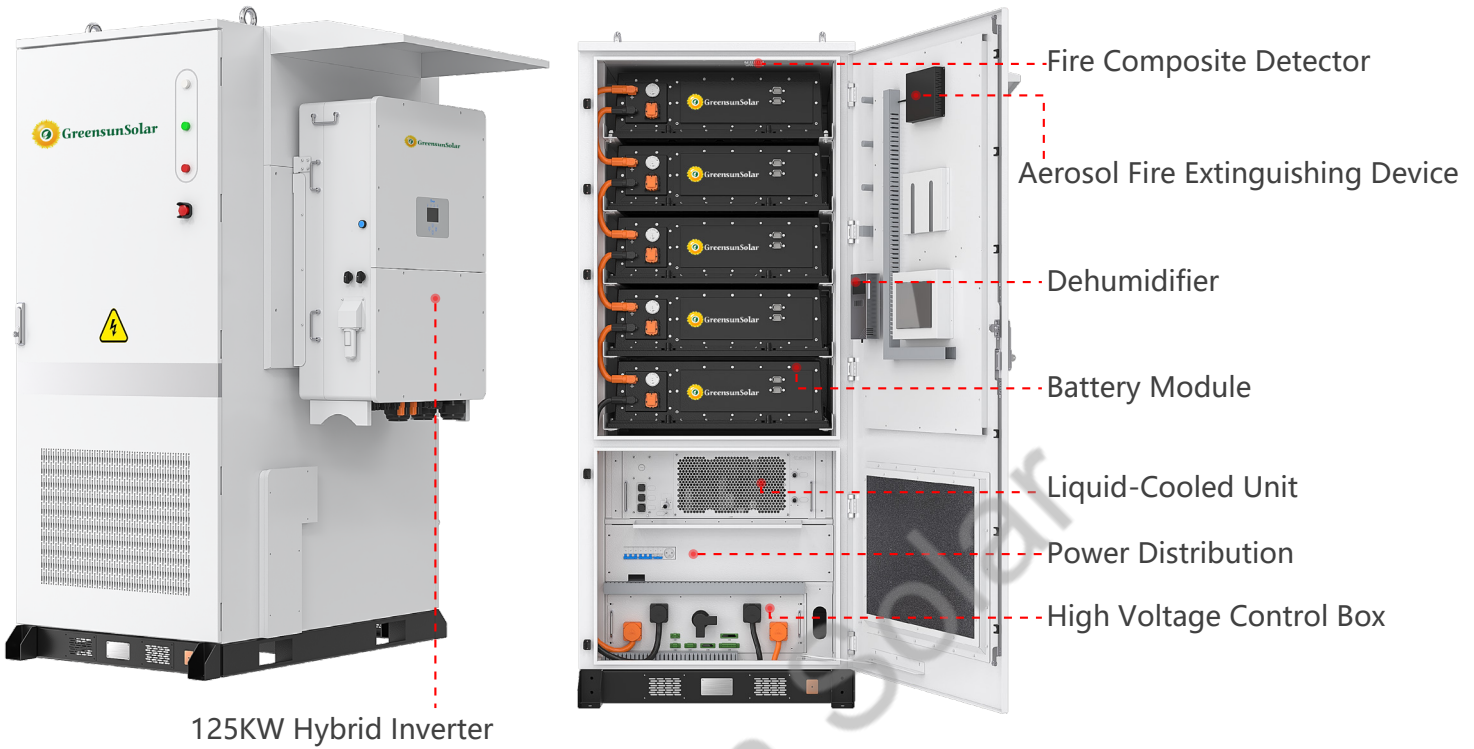
Model		G125K-LE260
Inverter Side(On/Off grid mode)		125KW
Battery	Battery Type	Lithium-ion
	Battery Voltage Range (V)	160-1000
	Max.Charging/Discharging Current (A)	100+100
	Charging Strategy for Li-ion Battery	Self-adaption to BMS
	Number of Battery Input	2
PV String Input Data	Max.PV access power (W)	250000
	Max.PV Input Power (W)	200000
	Max.PV Input Voltage (V)	1000
	Start-up Voltage (V)	180
	MPPT Voltage Range (V)	150-850
	Rated PV Input Voltage (V)	650
	Max. Operating PV Input Current (A)	10 × 42 A
	Max. Input Short-Circuit Current (A)	10 × 63 A
AC Input/ Output Data	No.of MPP Trackers/No.of Strings MPP Tracker	10/20
	Rated AC Input/Output Active Power (W)	125000
	Max.AC Input/Output Apparent Power (VA)	135000
	Rated AC Input/Output Current (A)	189.4/181.2
	Max. AC Input/Output Current (A)	204.6/195.7
	Max. Continuous AC Passthrough (grid to load) (A)	250
	Peak Power (off-grid) (W)	1.5 times of rated power,10s
	Power Factor Adjustment Range	0.8 leading to 0.8 lagging
	Rated input/output voltage	220/380V, 230/400V 0.85Un-1.1Un 3L+N+PE
	Rated Input/Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65
	Total Current Harmonic Distortion THDi	<3% (of nominal power)
	DC Injection Current	<0.5% In
Efficiency	Max. Efficiency	98.70%
	Euro Efficiency	98.10%
	MPPT Efficiency	>99%
Equipment Protection	Integrated	DC Reverse Polarity Protection,AC Output Overcurrent Protection,Thermal Protection, AC Output Overvoltage Protection,AC Output Short Circuit Protection,DC Component Monitoring, Arc Fault Circuit Interrupter (AFCI)(optional), Anti-islanding Protection, DC Switch, Insulation Impedance Detection,Residual Current Detection
	Surge Protection Level	TYPE II(DC),TYPE II(AC)
Interface	LCD/LED Display	LCD+LED
	Communication Interface	RS485,RS232,CAN
	Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)
General Data	Operating Temperature Range (°C)	-40 to +60°C, >45°C Derating
	Permissible Ambient Humidity	0-100%
	Permissible Altitude	3000m
	Noise (dB)	≤65
	Ingress Protection(IP) Rating	IP 65
	Inverter Topology	Non-Isolated
	Over Voltage Category	OVC II(DC), OVC III(AC)
	Cabinet Size (WxHxD mm)	734×1091×344 (Excluding Connectors and Brackets)
	Weight (kg)	161.7
	Type of Cooling	Intelligent Air Cooling
	Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy
	Grid Regulation	IEC 61727,IEC 62116,CEI 0-21,EN 50549, NRS 097,RD 140,UNE 217002, OVE-Richtlinie R25,G99,VDE-AR-N 4105
	Safety /EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2

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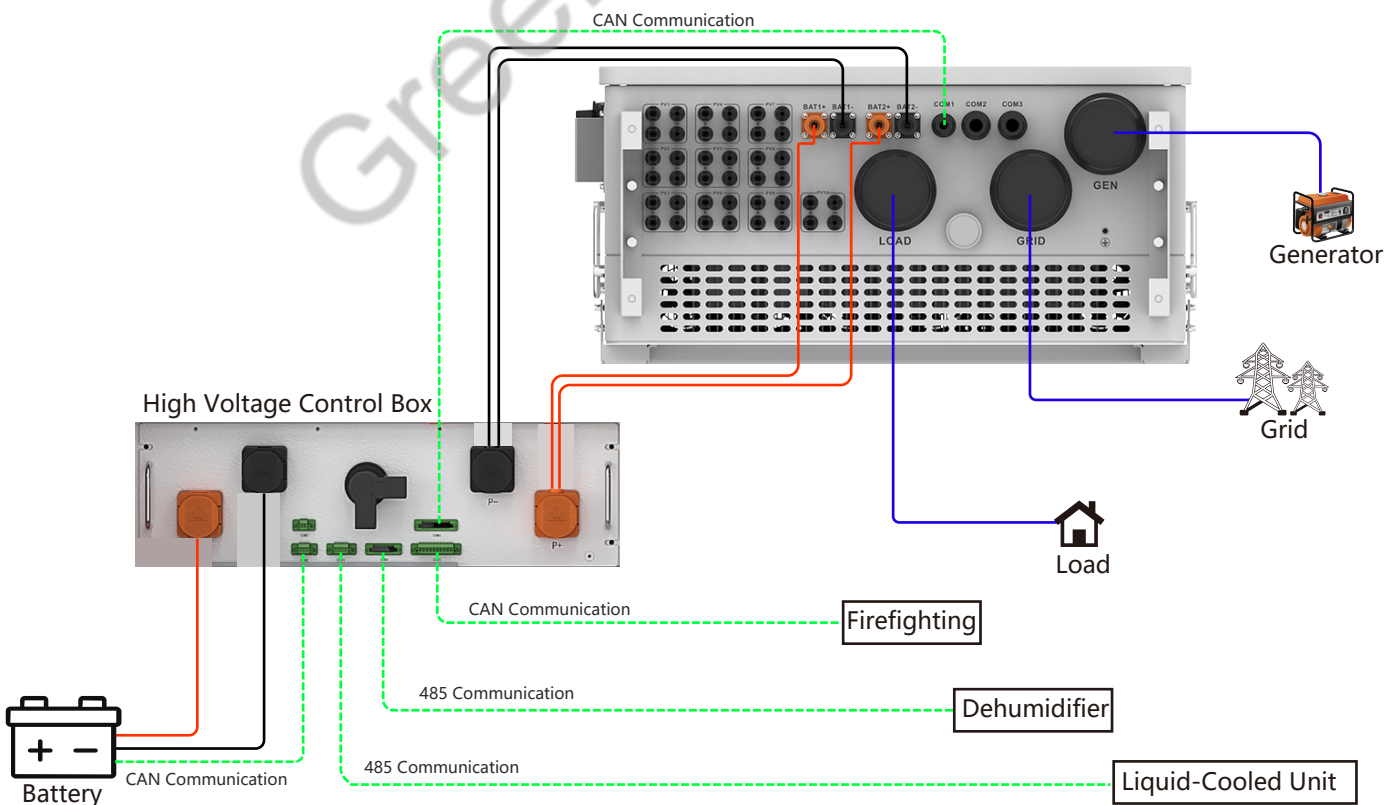
Battery Side	
Battery Type	LFP(LiFeP04)
Nominal Energy	261kWh
Rated Voltage	832V
Operating Voltage Range	728~949V
Rated Capacity(Ah)	314Ah
Max Charge/Discharge Current (A)	157A
Battery Module	166.4V 314Ah(52.25kWh)
Battery Module Qty In Series (Optional)	5
Cooling System	Liquid Cooling
System Parameter	
Cabinet Size(W*D*H)	1580*1544*2410mm
Weight Approximate	≤3T
Installation Location	Floor-mounted
Protection Class	IP54
Altitude (m)	≤3000
Humidity	5%-95%
Fire Extinguishing	Aerosol
Dehumidifier	Included
Fire Detector	Included
Max.parallel No.	10
Cycle Life	25±2°C, 0.5C/0.5C, EOL70% ≥8000
Certification	CE MSDS UN38.3
Warranty	10Years

Greensun Solar

Detailed Description

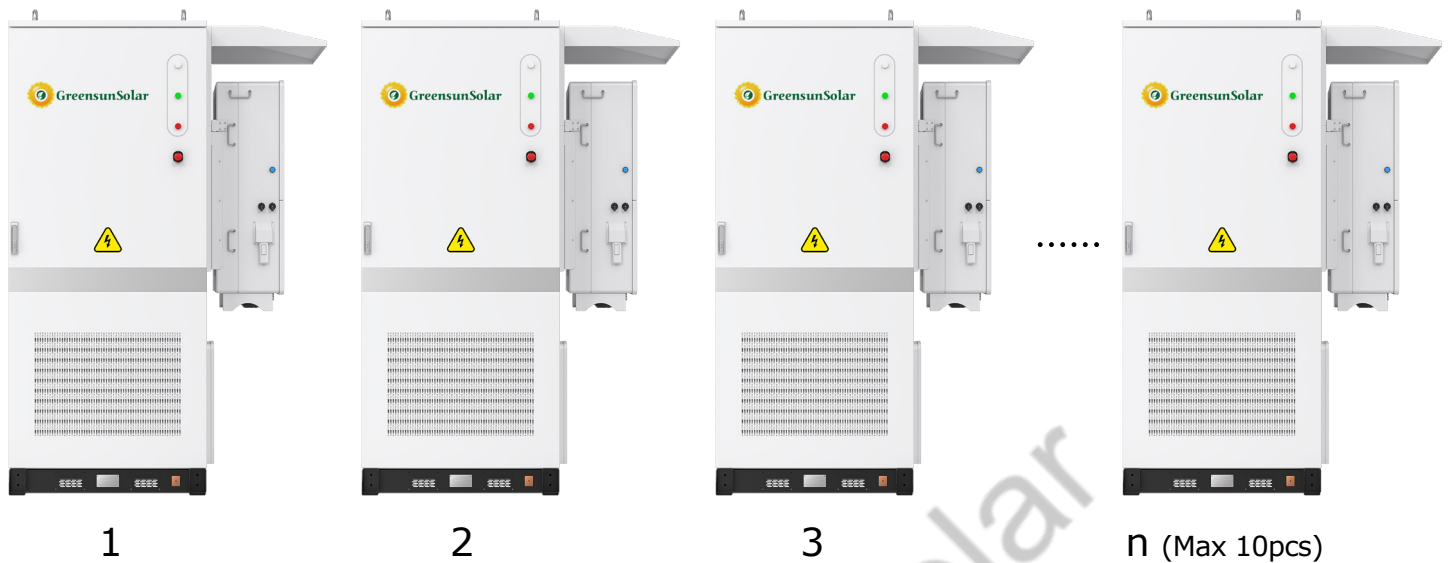


Control diagram



Product Expansion

Support Max 10pcs Parallel Power



Hybrid Inverter Real-time Equipment Monitoring

