

LV GEPH-L SERIES

GudE Potencia



LFP BATTERY LV GEPH-L SERIES

TECHNICAL SPECIFICATIONS

MODEL		LV 51GEPH300-L	LV 51GEPH400-L	LV 51GEPH500-L
LiFePO ₄ BATTERY	Nominal Voltage (V)	51.2V		
	Nominal Capacity (Ah) @0.2C, 25°C	300Ah	400Ah	500Ah
	Energy (kWh)	15.36kWh	20.48kWh	25.60kWh
	Communication	CAN2.0/RS232/RS485		
	Resistance	≤50 mΩ @ 50% SOC		
	Efficiency	≤96%		
	Recommended Charge Current (A)	100A		
	Max. Continuous Discharge Current (A)	100A		
	Max. Load Power (kW)	5kW		
	Recommended Charge Voltage (V)	57.6V		
	BMS Charge Cut-Off Voltage (V)	<58.4V (3.65V/Cell)		
	Reconnect Voltage (V)	>57.6V (3.6V/Cell)		
	Balancing Voltage (V)	<57.6V (3.6V/Cell)		
	Balancing Open Voltage (V)	55.2V (3.45V/Cell)		
	Recommended Low Voltage Disconnect (V)	44V (2.75V/Cell)		
	BMS Discharge Cut-Off Voltage (V)	>40.0V (2s) (2.5V/Cell)		
	Reconnect Voltage (V)	>44.0V (2.75V/Cell)		
	Discharge Temperature	-20 ~ 55°C (-4 ~ 131°F)		
	Charge Temperature	0 ~ 45°C (32 ~ 113°F)		
	Storage Temperature	-5 ~ 35°C (23 ~ 95°F)		
BMS High Temperature Cut-Off	65°C (149°F)			
Reconnect Temperature	55°C (131°F)			
Dimension (LxWxH) mm	537x498x697 mm	537x498x830 mm	537x498x962 mm	
Approx. Weight (kg)	140kg	190kg	240kg	
Terminal Type	DIN POST			
Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N·m)			
Case Material	SPCC			
Enclosure Protection	IP20			
Shipping Classification	UN 3480, CLASS 9			

Parameters are subject to change without prior notice.

MODULAR LOW VOLTAGE LFP BATTERY FOR HESS

GudE Potencia LV GEPH-L Series is an intelligent residential energy storage solution that combines smart energy management system with a flexible modular design (3-5 modules combined), which further simplifies installation and O&M with multiple smart functions.



Environmentally-friendly & Safe LiFePO₄ Battery



Modular Stackable Design

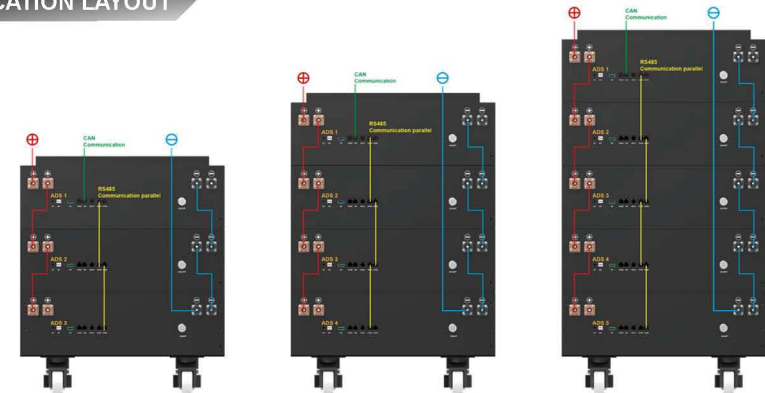


Easy Transportation & Installation

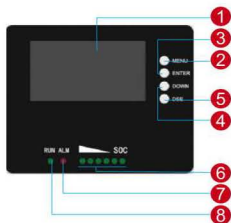


Ideal Solution for HESS

COMMUNICATION LAYOUT



FUNCTIONS LAYOUT



1. LCD display
2. Menu buttons
3. Enter buttons
4. Down buttons
5. DES buttons
6. SOC indicator
7. RUN indicator
8. Alarm indicator



1. BAT+
2. RST port
3. ADS port
4. DRY port
5. RS485 communication port
6. RS232 communication port
7. CAN port
8. ON/OFF indicator
9. BAT-