





As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, GSL ENERGY has provided various battery solutions for nearly all kinds of ESS applications. Thanks to our self-developed core technology in cells/BMS/system design, GSL ENERGY has delivered more than 138+ countries serving 100,000+ users.

www.solarforcenigeria.com

Long life and safety

Vertical industry integration ensures more than 6500 times cycles with 80% DoD.
Safe Lithium iron phosphate battery cell.

Intelligent

Each battery with independent BMS system manages power output smartly and effectively.

Modularization

Modular design gives the end customers the power of choice of capacity Deliver up to 163.8KW with single max module (10.24KWh) at 16pcs parallel connection.

Easy to install and use

Just plug and play to minimize the installation time and cost.
Compact and fashionable design fits in your sweet home environment.

Compatiblity

Compatible with most of the available Hybrid inverters.

Safety Cert

IEC62619,UN38.3,ROHS,CE-EMC

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Battery Specifications		
Model No	GSL 5000U - 5KWH	GSL 10000U - 10KWH
Nominal Parameters		
Voltage	51.2V	
Capacity	100Ah	200Ah
Energy	5.12KwH	10.24KwH
Dimensions (L x W x H)	580x390x200mm	685x435x231mm
Weight	65kg	100.5kg
Basic Parameters		
Life Time(25°C)	15 years	
Life Cycles(80% DOD, 25°C)	6500Cycles	
Storage Time / Temperature	5 months @ 25°C; 3 months @ 35°C; 1 month @ 45°C	
Operation Temperature	-20°C to 60°C @60+/-25% Relative Humidity	
Storage Temperature	0°C to 45°C @60+/-25% Relative Humidity	
Lithium Battery Standard	IEC62619,UN38.3,ROHS,CE-EMC	
Enclosure Protection Rating	IP54 (Indoor use)	
Electrical Parameters		
Operation Voltage	46-56 Vdc	
Max.Charging Voltage	56 Vdc	
Max.Charging Current	100A (5120W)	
Max.Discharging Current	150A (7680W)	



