GSL ENERGY

Lithium Battery Solar Storage





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 20+ countries serving 100,000+ users.

www.gsl-energy.com

Long life and safety

Vertical industry integration ensures more than 6000 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 140KW with single max module (10.24KWh) at 14pcs 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

UL1642, IEC62619, CE, UN38.3, MSDS.

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SHENZHEN GSL TECH CO. , LTD
+0755-84515360
sales@gsl-energy.com

Battery Specifications

Model No	GSL 5000U - 5KWH	GSL 7000U - 7KWH	GSL 10000U - 10KWH
Nominal Parameters			
Voltage	51.2V	51.2V	51.2V
Capacity	100Ah	150Ah	200Ah
Energy	5.12KwH	7.68KwH	10.24 KwH
Dimensions (L x W x H)	680 x480 x180(220)mm	680 x480 x180(220)mm	680x480x180(220)mm
Weight	60.5kg	79.5kg	102.5kg
Basic Parameters			
Life time(25˚C)	10 years		
Life cycles(80% DOD, 25˚C)	6000Cycles		
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	UL1642,IEC62619,UN38.3,ROHS,CE-EMC		
Enclosure protection rating	IP21		
Electrical Parameters			
Operation voltage	44-58 Vdc	44-58 Vdc	44-58 Vdc
Max.charging voltage	58 Vdc	58 Vdc	58 Vdc
Max.charging and discharging current	100A	100A	100A
Max Power	5120W	7680W	10240W



