

Energy Storage PCS (With Transformer)



Flexible

- Compatible with most kinds of batteries
- Wide battery voltage range.
- Support on-grid charge/discharge and off-grid independently working.
- Reactive power and active power can be adjusted.
- Support black start , support multi - machine parallel function.
- Flexible communication moder, eceive BMS instructions in real time.
- Small size, convenient for easy operation and maintenance.

High efficiency

- Maximum power density, maximum efficiency 97.5%.
- Low power consumption with intelligent temperatue control system.

Reliable

- Using high performance DSP, the system is more stable and effective.
- Patent software control and detection algorithm ensure that the equipment fault can be found in time, and the running status of the equipment is available via EMS.
- AC/DC double power supply backup to ensure control system is always power on.

Application Scenario



Industrial and commercial



Microgrid system

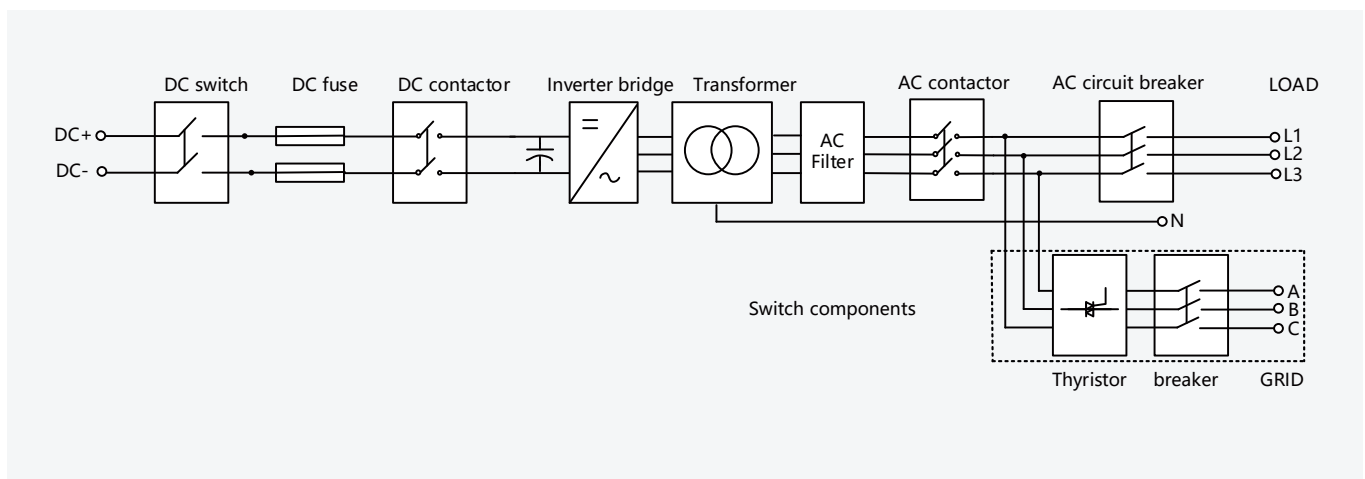


Solar-storage-EV charge



Echelon utilization

Product Topology



Model	LB-GL30K	LB-GL50K	LB-GL100K	LB-GL150K	LB-GL250K	LB-GL500K
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DC(battery)

Battery voltage range	150V-850V	150V-850V	320V-850V	420V-850V	420V-850V	500V-850V
Max.current	232A	385A	362A	404A	673A	1128A

AC(on-grid)

Max. output power	33kVA	55kVA	110kVA	165kVA	275kVA	550kVA
Rated power	30KW	50KW	100KW	150KW	250KW	500KW
Rated voltage	400V					
Voltage range	320V-460V					
Rated current	43A	72A	144A	216A	361A	722A
Max. output current	48A	80A	160A	240A	400A	800A
Rated frequency	50/60Hz					
Frequency range	45-55/55-65Hz					
THDI	<3%					
PF	1lagging-1leading					
AC connection	3W+N+PE					

AC(off-grid)

Rated voltage	400V					
THDU	<1% linear<5% non-linear					
Rated frequency	50/60Hz					
Overload capability	110%-continuous					

General information

Max. efficiency	96.3%	96.5%	97.1%	97.2%	97.3%	97.5%
Protection degree	IP21					
Noise emission	<75dB					
Operation temperature	-30°C ~+55°C					
Cooling	Forced air					
Relative humidity	0-95% non-condensing					
Max. altitude	5000m(derated above 3000m)					
Dimension(WXDxH)	800X800X2050mm				1200X800X2050mm	1600X1050X2050mm
Weight	600kg	650kg	910kg	950kg	1350kg	2460kg
Transformer	yes					
Self-consumption	<10W					
On/off grid transfer	Manual(default)Automatic(optional)					

Communication

Display	Touch screen LCD					
BMS interface	RS485/CAN					
Device interface	RS485 , TCP/IP					
Certificates	CE、TUV					