

## GB30 Microgrid System

Inverter Battery Combo  
6.1 x 4.3 x 8.5 Feet

- Modular design.
- Support PV, BAT, DG and GRID access and on/off-grid automatic switching.
- Small, quick installation.
- Thermal management design.
- External maintenance.
- PI, BMS, EMS Integrated.
- Real time and History Data Accumulation.



## GB30 Configuration



Product Model	LBM- 9.2	BESS Controller	Power Inverter	Enclosure
GB30-64	7S	1	1	Cabinet
GB30-128	7S 2P	1	1	Cabinet

# System Technical Specifications

Item	GB30-64	GB30-128
<b>DC Data</b>		
Battery chemistry	Lithium Iron Phosphate (LFP)	
Cell life cycle	80% Retention with 5,000 Cycles @ 1C 25°C	
Cell spec	3.2V/90Ah	
Module configuration	16S	
Number of modules	(7) 7S	(14) 7S 2P
Rack rated energy capacity	64kWh	128kWh
DC rated energy capacity	64.5kWh	129kWh
Rated voltage	358.4V	
Voltage range	313.6V~397.6V	
BMS communication interface	RS485, Ethernet	
BMS communication protocol	Modbus RTU, Modbus TCP	
<b>AC Data</b>		
Rated AC power	30kW	
Maximum AC power	33kW	
Rated grid voltage	480V	
Grid voltage range	±15%	
AC rate of current	43A	
Output THDi	≤3%	
Grid-connected power factor	- 1~ + 1	
Grid frequency range	50/60±2.5Hz	
Isolation method	3 Phase 4 Line Transformer	
<b>General Data</b>		
Dimension w/o clearances (L*W*H)	6.1 x 4.3 x 8.5 Feet / 1,850*1,300*2,591m	
Weight of the whole system	<4T	
Degree of protection	IP54	
Operating temperature range	-4~104 F / -20~40°C	
Relative humidity	0~95% (non-condensing)	
Max working altitude	9,842ft /3,000m	
Cooling concept of DC hatch	HVAC	
Communication interfaces	RS485, Ethernet, GPRS	
Certifications	IEC62619, UN38.3, CE, UL1973	