



Small-Scale C&I ESS Solution

Jupiter HB-S50/100 Jupiter HB-S60/130



Multi-Fusion

- All-in-One design
- EMS, hybrid inverter and BMS integrated technology
- Support black start function and off-grid operation
- Power supply redundancy design



Flexible

- Supports DC parallel connection of up to 5 units
- AC parallel expansion: max 3 units



Reliability

- IP55-rated for outdoor use
- Wide temperature range:-20°C~55°C



Protection

- Smoke and temperature detection
- System active exhaust and fire alarm
- Battery pack and system use aerosol fire suppression



High Efficiency & Convenience

- Ultra-high energy density
- Compact size
- Simple installation & easy transportation



Technical Specification



Technical Data	Jupiter HB-S50/100	Jupiter HB-S60/130
Rated Voltage/Capacity	358.4V 280Ah	460.8V 280Ah
System Specification		
Nominal Output Power /UPS Power(W)	50000	60000
AC Output Frequency and Voltage	50/60Hz,230V/400Vac	
Grid Type	3/N/PE	
Number of Parallel	DC: Up to 5 units AC: Up to 3 units	
Energy Configuration(kwh)	100.35	129.02
Dimension(W×D×H,mm)	1140×1880×1175	
Weight Appr. (kg)	1744	1956
AC Output Rated Current(A)	83.4A	100A
Battery Operating Voltage(V)	313.6~403.2	403.2~518.4
MaX.RTE	93%	
Battery Chemistry	LiFePO ₄	
IP Rating of Enclosure	IP55	
Installation Method	Floor-Mounted	
Storage Temperature(°C)	0~35	
Operating Temperature(°C)	-30~60°C	
Warranty	5 /10 years	
Inverter Technical Specification		
Max.PV Input Power(W)	75000	90000
Max.PV Input Current(A)	4*40A	
Rated PV Input Voltage(Vdc)	620	
Start Up DC Voltage(Vdc)	180	
MPPT Voltage Range(Vdc)	180-1000	
MaX.PV Short-circuit Current(A)	4*60A	
Number of MPPT	4	
Peak Power(off grid)	1.5 time of rated power;10s	
Power Factor	0.8 leading to 0.8 lagging	
THD	<3%	
Display	LCD/APP	
Operating Temperature Range(°C)	-30~60°C	
Relative Humidity	5~85	
Dimension(W×D×H,mm)	620×900×300mm	
Inverter Communication	RS485 / CAN / WIFI / Bluetooth	
Grid Regulation	VDE 4105,IEC61727/62116,VDE 0126,AS 4777.2,CEI0-21,EN 50549-1, G98,G99,C10-11,UNE 217002,NBR 16149/NBR 16150	
Max.Efficiency	98.40%	
Battery Technical Specification		
Battery Module Nominal Voltage(V)	51.2	
Battery Module Energy(kWh)	14.33	
BMS Communication	CAN2.0 / RS485 / 4G	
Battery Module Dimension(W×D×H,mm)	504×781×230	
Battery Module Weight(kg)	106	
Operating Temperature Range(°C)	Charge:0~55 / Discharge:-20~55	
Cycle Life	>6000(@25°C±2°C,0.5C/0.5C,90%DOD,80%EOL)	
Battery Module Certification	UN38.3,SDS,CE,IEC62619	

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