

Power Stone

C&I System (Hybrid)



Application Scenarios

Platform Capacity increase / Industrial & Commercial Companies / Data Center
Campus Storage / Commercial Buildings Large Industrial / Movable Storage



Efficient and Flexible

LiFePO4 battery storage system, two-layer battery management system, fully digital LCD display, Support multi-machine parallel expandable modules.



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Safe and Secure

IP54 protection degree outdoor cube, consists of accessories, including air-cooling equipment, lighting, power distribution, fire control, etc.

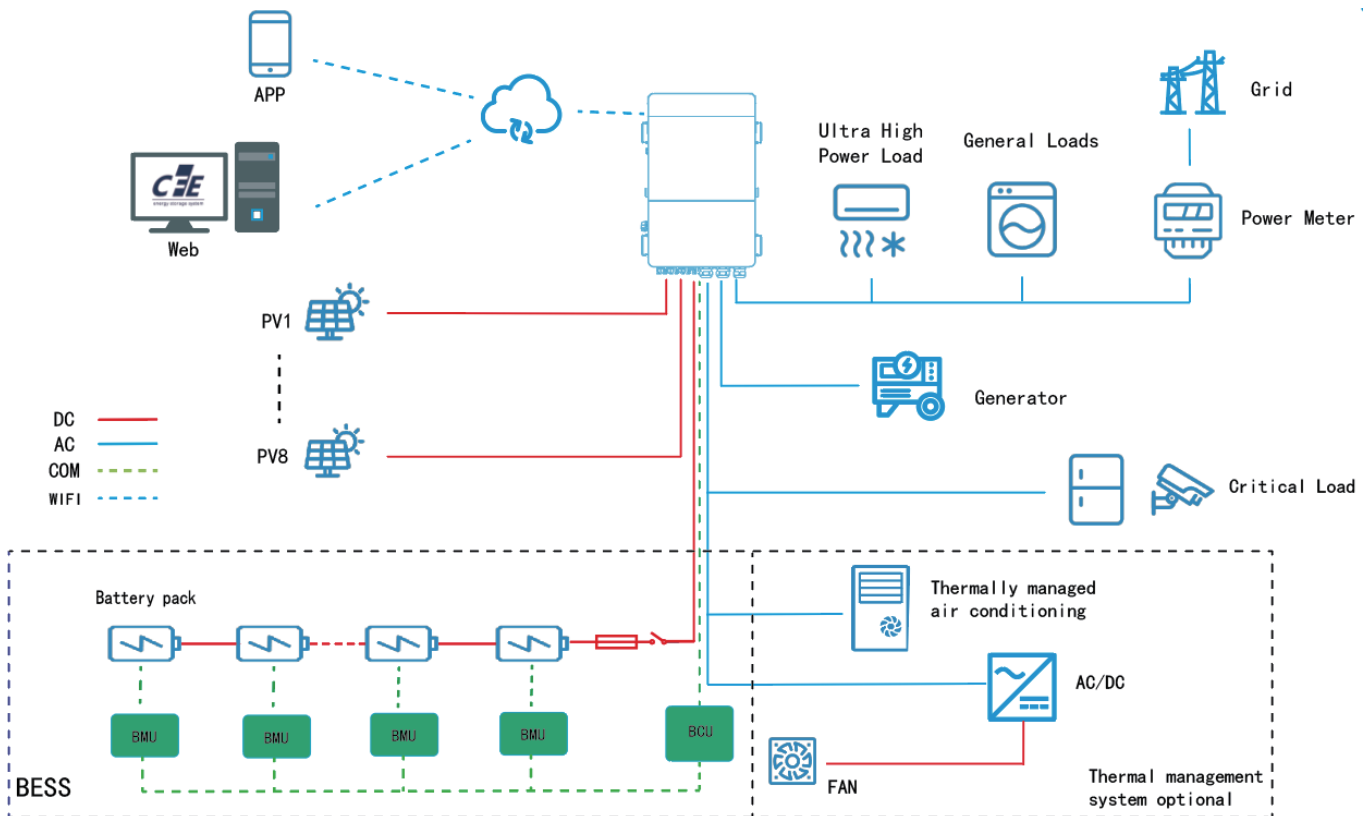


Efficient Management

Energy management system includes cloud system & local management machine, PCS data collection and other related devices.

Model	60kW/100kWh	60kW/200kWh
Battery Parameter		
Battery Type	LFP(3.2V 280Ah)	LFP(3.2V 314Ah)
Battery System Configuration	1P112S	1P208S
Battery System Capacity	100.35kWh	209kWh
Battery Voltage Range	302.4V-358.4V	561.2V-665.6V
Battery Cycle Life	6000 Cycles at 0.5C, 80%DOD at 25 °C	
PV Input Parameters		
Maximum Input Power	100kW	
Maximum Input Voltage	1000V	
MPPT Voltage Range	150V-950V	
Starting Voltage	125V	
Maximum Input Current	8*20A	
Maximum Short-circuit Current	8*30A	
MPPT Quantity	4	
Number of Strings Per MPPT Input	2/2/2/2	
Grid-connected Output Parameters		
Rated Output Power	60kW	
Maximum Apparent Power	60kVA	
Rated Output Voltage	400V, 3L/N/PE	
Rated Frequency	50Hz/60Hz	
Maximum Output Current	87A	
Off-grid Output Parameters		
Rated Voltage	400V, 3L/N/PE	
Rated Frequency	50Hz /60Hz	
Rated Output Current	87A	
Rated Output Power	60kW	
Maximum Apparent Output Power	66kVA	
Off-grid Handover Time	<10ms	
Basic Parameters		
Operating Temperature Range	-25°C~+60°C(>45°C derating)	
Working Altitude	<4000m (> 2000m derating)	
Noise Figure	<65dB	
Topology	No transformer isolation	
Cooling Method	Integrated fan	
Relative Humidity Range	0~95%	
DC Connector Type	Push-in terminals	
AC Connector Type	Terminal blocks	
Human-computer Interaction	LCD	
Cloud-based Communication	RS485 (WiFi/4G/GPRS optional)	

BMS Communication Mode	CAN	
Meter Communication Mode	RS485	
Self-consumption at Night	<10W	
Maximum Efficiency	98.5%	
European Efficiency	97.5%	
Protection	AC overcurrent protection, Ground fault protection Grid monitoring and protection, Residual current detection protection	
System Parameter		
System Efficiency	>88%	
Size (W*D*H)	1070*1141*2250mm	1465*1141*2220mm
Weight	1.36T	2.07T
Operation Ambient Temperature	-20°C~55°C	
Operation Humidity Range	0 ~ 95%	
Work Altitude	<3000m	
Protection Degree	IP54	
Anti-Corrosion Degree	C4	
Cooling Method	Air Cooling	
Fire Suppression System	Aerosol	



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