

# C&I ENERGY STORAGE SYSTEM

## BHF-C64/80/96/112

The BHF-C Series battery is purpose-built for commercial and industrial applications, ideal for factories, shopping malls, and data centers. It supports peak-valley arbitrage, backup power, and solar energy storage, offering versatile energy solutions. Featuring high-safety 314Ah LFP cells, each rack supports flexible expansion up to 112kWh to meet varying power demands. With a rack-mounted design for easy installation and intelligent charge/discharge strategies, it helps reduce electricity costs, maximize renewable energy utilization, and enable efficient, sustainable energy management.

### Modular Design for Easy and Flexible Deployment

The modular architecture enables fast installation and convenient expansion, effortlessly adapting to projects of various scales.

### Smart Connectivity, Full Remote Control

Supports Web and App-based remote monitoring and firmware upgrades, ensuring full system visibility and efficient maintenance.

### High-Capacity Cells for Safer, Smarter Performance

Equipped with 314Ah high-performance LFP cells, offering large capacity and high efficiency for a safe and reliable energy storage system.

### Flexible Capacity Options to Meet Diverse Needs

Single rack capacity is expandable up to 112kWh, offering flexible scalability to meet the diverse needs of various industries and projects.

### Over 6000 Cycles for Long-Lasting Reliability

Delivers more than 6000 deep charge-discharge cycles, ensuring stable performance and long-term durability.

### Intelligent BMS Protection for Extended Battery Life

Built-in intelligent Battery Management System (BMS) provides precise monitoring and optimized control to effectively extend battery lifespan.

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BHF-C64/80/96/112

Model	BHF-C64	BHF-C80	BHF-C96	BHF-C112
Nominal Voltage [V]	204.8	256	307.2	358.4
Operating Voltage Range [V]	179.2-230.4	224-288	268.8-345.6	313.6-403.2
Rate Capacity [Ah]	314			
Number of modules	4	5	6	7
Total Energy [kWh]	64.3	80.4	96.5	112.5
Usable Energy [kWh]	57.9	72.3	86.8	101.3
Rated Charge/Discharge Power [kW]	32.2	40.2	48.2	56.3
Max Charge/Discharge Power [kW]	32.2	40.2	48.2	56.3
Max charge/Discharge Current [A]	157 / 157			
Depth of Discharge[%]	90			
Operating Temperature [°C]	-20-55			
Operating Humidity[%]	0-95			
Operating Altitude [m]	4000			
Communication	CAN/RS485			
Cooling Type	Fan			
Ingress Protection	IP21			
Cycle Life	≥6000 (25±2°C, 0.5C / 0.5C, EOL70%)			
Weight (kg)	500	625	750	875
Dimension(W x H x D)	PACK:508*245*807mm 241kWh:2334*1075*807mm			

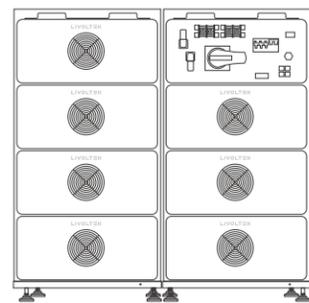
**Battery**  
314Ah LFP Cell, 16KWh,  
BMU Integrated

**High-voltage box**  
(BCU integrated)



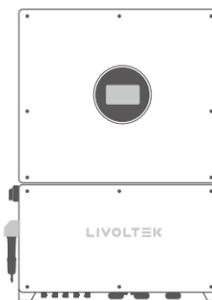
## TYPICAL APPLICATION SCENARIOS

2 hours Independence Backup Power



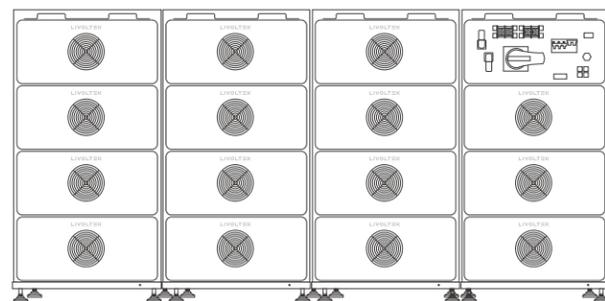
Battery Cluster 112kWh

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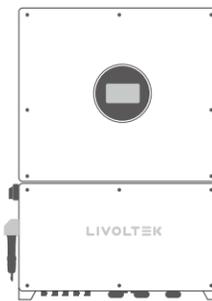
Hybird Inverter HP3-60K

4 hours Independence Backup Power



Battery Cluster 241kWh

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Hybird Inverter HP3-60K