

UPS LFP HV-Battery Product Portfolio

VES096020

VES series LFP battery is specifically designed for small UPS systems, servers, and network devices. It supports >3C discharge for instant backup during outages. With drop-in compatibility, it directly replaces lead-acid batteries. It offers 2-3x longer life, 60% weight reduction, and a built-in BMS for full protection. Multiple units can be easily paralleled for higher capacity. Perfect for home offices, POS systems, and edge computing.

-  Extraordinary long lifetime and cycle life
-  Self-developed BMS and DCDC technology
-  With SNMP and TCP/IP to remotemonitoring
-  3 levels protection from cel topack



Model	VES096020
Cell Type	LFP
Rated Battery Voltage	96V(1P30S)
Operating Battery Voltage	84~106V
Rated Capacity	20Ah
Battery Capacity	1920Wh
Rated CH Current	10A (0.5C)
Maximum Continuous CH Current	20A (1C)
Rated DCH Current	20A (1C)
Maximum Continuous DCH Current	60A (3C)
Altitude	≤2000m
Operating Temp. Range	CH: 0~55°C, DCH: -20C~55°C
Humidity Range	≤95%RH
Communication	CAN, RS485, dry contact(DO*2, DI*2)
IP Rating	IP20
Dimension (W*D*H)	482*600*88mm
Design Certification	EN61000, IEC62619, UL1973, UL9540A
Paralleling	The maximum number of parallel connections is 24.
Series-parallel Connection	±96V, 192V, ±192V, 384V (Maximum 6 clusters in parallel)



Standby power duration of systems with different cluster numbers under different power UPS

The battery system adopts a standardized and modular design. Each cabinet constitutes an independent battery group, and the battery capacity can be flexibly expanded according to the load power. The maximum number of cabinets that can be connected in parallel is 20.

UPS(kW)	Operating Battery Voltage	UPS Efficiency	Power Factor	DOD/%	96V20Ah Battery Module Quantity		
					1	2	4
3	96V	92%	0.9	90%	41.7	/	/
5	192V	94%	1	90%	/	44.1	/
6	192V	94%	1	90%	/	36.8	/
8	±192V	94%	1	90%	/	/	55.1
10	±192V	94%	1	90%	/	/	44.1
15	±192V	94%	1	90%	/	/	29.4
20	±192V	94%	1	90%	/	/	22.1