

UPS LFP HV-Battery Product Portfolio

FLEXLI SERIES 3C BATTERY

FlexLi series battery is designed for UPS systems requiring instant high power. It supports 3C discharge, ensuring seamless backup during grid interruptions. Compared to lead-acid, it offers 50% weight reduction, 10+ years life, and faster recharge. With an intelligent BMS for real-time monitoring, it provides a safe, maintenance-free, and compact solution for data centers and critical infrastructure.

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



Model	FlexLi-512100V2
Battery Module	
Rated Battery Voltage	51.2V
Rated Capacity	100Ah
Dimension (W*D*H)	483*580*133mm
Weight	43.2kg
Battery System	
System Composition	10 modules + 1 high-voltage box + 1 communication box
Rated Battery Voltage	512V
Battery Capacity	51.2kWh
Maximum Continuous CH/DCH Current	100/300A
Dimension (W*D*H)	600*1000*2000mm
Weight	600kg
Communication	CAN, RS485, DI/DO, SNMP(Optional)
Operating Temp. Range	0~45°C
Protection	Excessive/insufficient voltage, excessive/Insufficient temperature, overcurrent, short circuit, etc.



FlexLi series seamlessly integrates with most existing UPS systems, making it an ideal drop-in replacement for lead-acid batteries. Thanks to its advanced BMS, up to 8 units can be connected in parallel without complex external controls, allowing effortless power expansion. This design ensures high system redundancy and reliability, providing a flexible and scalable energy solution for data centers and industrial applications.

UPS Power (kW)	Power of Battery kW (n=96%)	512V/100Ah Number of battery system clusters									
		1	2	3	4	5	6	7	8	9	10
100	104.17	23.8	54.9	78.1	99.9	124.9	152.1	184.6	199.8	234.8	279.8
150	156.25	12.2	35	54.9	79.1	92	99.7	123.8	129.9	159.7	180.2
200	208.33		23.9	39.6	55.2	66.9	85.2	90.9	99.8	114.8	124.9
250	260.42		17.8	30.2	44.7	54.9	64.9	78	89.8	195	100.1
300	312.50		12.1	24.2	35.1	45.3	55.3	64.8	69.8	80	91.9
400	416.67			16.3	23.9	31.9	41.1	47.7	54.8	59.8	67.7
500	520.83				17.9	24.2	30	34.9	44.9	48.9	54.8
600	625.00				11.9	18.3	24.3	28.7	34.9	39.8	44.9
700	729.17					15.1	20.6	23.7	29.8	33.9	39.9
800	833.33						16	21.9	25.8	30.7	33.9