

Ucanpower, Bring Energy to Life!



ULB-5120 Low Voltage Battery System

ULB series is a low voltage battery that offers multiple energy storage options through an expandable modular design (2-8 modules combined), which further simplifies installation and O&M with multiple smart functions. The safest battery cell technology (LFP) comes with a high charging rate, ensuring superior performance.



Support 1C charge and discharge rate.



Flexible capacity options, 10.24kWh to 40.96kWh



Easy installation with modular and stacked design



Remote diagnosis and real-time data monitoring

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Model	ULB-5120						
System Structure							
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System Parameters							
Number of battery	2	3	4	5	6	7	8
Battery capacity (kWh)	10.24	15.35	20.48	25.6	30.72	35.84	40.96
Usable energy (kWh)	9.22	13.82	18.43	23.04	27.65	32.26	36.86
Rated capacity (Ah)	100						
Rated voltage (V)	51.2						
Voltage range (V)	44.8~57.6						
Max. charge and discharge rate	1C						
Cycle times	80% DOD, cycles>6000, residual capacity>70%						
Communication	RS485/CAN 2.0						
Protection function	Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit						
Dimension (mm)	620*365*406	620*365*545	620*365*648	620*365*823	620*365*962	620*365*1101	620*365*1240
Weight (kg)	102	149	196	243	290	337	384
Working Conditions							
Installation	Indoor						
Operating temperature	0°C~50°C (Charge) / -10°C~50°C (Discharge)						
Optimum working temperature	20°C~30°C						
Storage temperature	-15°C~60°C						
Humidity	5%-95%						
Cooling strategy	Natural						
Enclosure protection rating	IP20						
Altitude (m)	<2000						
Certificate	CE, UN38.3, TUV mark						

Information may be subject to change without notice during product improving

