

ENERGY STORAGE BATTERY

LOW-VOLTAGE

- ABL02-05L20-V2.0
- ABL02-10L20
- ABL02-16L20



KEY FEATURES

-  Wide adaptability
-  High Efficiency $\geq 94\%$
-  Multiple protection types, more secure
-  Remote OTA upgrades, Zero-cost

Note: The specification and key features described in this datasheet may deviate slightly and are not guaranteed. AUXSOL reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the latest version of the datasheet, any commercial contracts that may be signed will be based on the most recent version at the moment of signing the contract.

AUX GROUP

Established in 1986, AUX Group is an enterprise which covers 5 industries. It ranked China's top 500 enterprises for consecutive years, 40000+ employees keep AUX fast development for recent years.

40 Years History	\$11.8 Billion Revenue in 2025	5 Business Industries
\$9.6 Billion Assets	500 China's Top	40000+ Employees

AUXSOL

WIN A GREEN FUTURE TOGETHER

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	ABL02-05L20-V2.0	ABL02-10L20	ABL02-16L20
PERFORMANCE PARAMETERS			
Cell type	LiFePO4		
Cell specification	100Ah	205Ah	314Ah
Nominal voltage	51.2V		
Operating voltage	43.2~58.4V		
Nominal energy	5.12kWh	10.24kWh	16.07kWh
Usable energy[1]	4.6kWh	9.21kWh	14.46kWh
Charge/discharge current(recommend)	100A	100A	157A
Max. charge/discharge current	100A	100A	176A/10s
GENERAL PARAMETERS			
Weight[2]	46.5kg	103.5kg	120kg
Dimension(w*h*d ±1)	380*590*140mm	780*660*180mm	420*895*250mm
Parallel quantities	Max.15 pcs in Parallel		
Life cycle	≥6000[*1]		≥8000[*2]
Warranty	5 Years		
Operating temperature	Charge: 0~50°C, Discharge: -20~50°C		
Storage temperature	-20~45°C≤1 month; -20~35°C≤6 month		
Relative humidity	5%~95%(Non-condensing)		
Cooling method	Natural Cooling		
Installation method	Wall Mount	Floor-standing/ Wall Mount	Floor-standing
Installation environment	Inside		
Ingress protection rating[3]	IP20		
Max. operating altitude[4]	≤2,000m		
Protection strategy	Overvoltage Protection, Overcurrent Protection, Short Circuit Protection, Overtemperature Protection		
COMMUNICATION			
Display	SOC, Faults, and Operating Status		
Communication protocol	RS485/CAN/Bluetooth		
REFERENCE STANDARDS			
Certification	CE,UN38.3		

[1].DC Usable Energy,test conditions:90% DOD,0.5C charge & discharge at 25°C.

[2].The weight is subject to the actual product and may have a tolerance of ±3%.

[3].IP65 is optionally available.

[4].Output power may be affected by altitude.

*[1].25°C±2°C,90%DOD,1C,70%EOL

*[2].25°C±2°C,90%DOD,0.5C,70%EOL