

ENERGY STORAGE BATTERY

LOW-VOLTAGE

ABL02-2.5L20

ABL02-(05-16)L20



KEY FEATURES



Wide adaptability



High Efficiency $\geq 98\%$



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.

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History

\$12.4

Revenue in 2024

5

Business Industries

\$9.6

Assets

500

China's Top

40000+

Employees

AUXSOL

WIN A GREEN FUTURE TOGETHER

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	ABL02-2.5L20	ABL02-05L20	ABL02-10L20	ABL02-16L20
PERFORMANCE PARAMETERS				
Cell type	LiFePO4			
Cell specification	100Ah	100Ah	205Ah	314Ah
Nominal voltage	25.6V	51.2V		
Operating voltage	22.4~28.8V	44.8~57.6V		
Nominal energy	2.56kWh	5.12kWh	10.24kWh	16.07kWh
Usable energy[1]	2.3kWh	4.6kWh	9.21kWh	14.46kWh
Charge/discharge current(recommend)	50A	100A	100A	157A
Max. charge/discharge current	100A	100A	200A	200A
GENERAL PARAMETERS				
Weight[2]	22kg	52.5kg	93kg	118.5kg
Dimension(w*h*d ±1)	345*430*195mm	420*660*160mm	420*660*245mm	420*895*250mm
Parallel quantities	Max.15 pcs in Parallel			
Life cycle	≥6000[*1]			≥8000[*2]
Warranty	5 Years			
Operating temperature	Charge: 0~50℃, Discharge: -20~50℃			
Storage temperature	-20~45℃≤1 month; -20~35℃≤6 month			
Relative humidity	5%-95%(Non-condensing)			
Cooling method	Natural Cooling			
Installation method	Floor-standing/Wall-mounted			Floor-standing
Installation environment	Indoor			
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℃.

[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℃±2℃,90%DOD,1C,70%EOL

[*2].25℃±2℃,90%DOD,0.5C,70%EOL