

# ENERGY STORAGE BATTERY

LOW-VOLTAGE

- ABL02-05L20
- ABL02-05L20-V2.0
- 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.

<b>39</b> Years History	<b>\$12.6</b> Billion Revenue in 2024	<b>5</b> Business Industries
<b>\$9.6</b> Billion Assets	<b>500</b> China's Top	<b>40000+</b> Employees

## AUXSOL

WIN A GREEN FUTURE TOGETHER

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	ABL02-05L20	ABL02-05L20-V2.0	ABL02-16L20
<b>PERFORMANCE PARAMETERS</b>			
Cell type	LiFePO4		
Cell specification	100Ah	100Ah	314Ah
Nominal voltage	51.2V		
Operating voltage	43.2~58.4V		
Nominal energy	5.12kWh	5.12kWh	16.07kWh
Usable energy[1]	4.6kWh	4.6kWh	14.46kWh
Charge/discharge current(recommend)	100A	100A	157A
Max. charge/discharge current	100A	100A	176A/10s
<b>GENERAL PARAMETERS</b>			
Weight[2]	52.5kg	46.5kg	120kg
Dimension(w*h*d ±1)	420*660*245mm	380*590*140mm	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	Floor/Wall Mount	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		
<b>COMMUNICATION</b>			
Display	SOC, Faults, and Operating Status		
Communication protocol	RS485/CAN/Bluetooth		
<b>REFERENCE STANDARDS</b>			
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