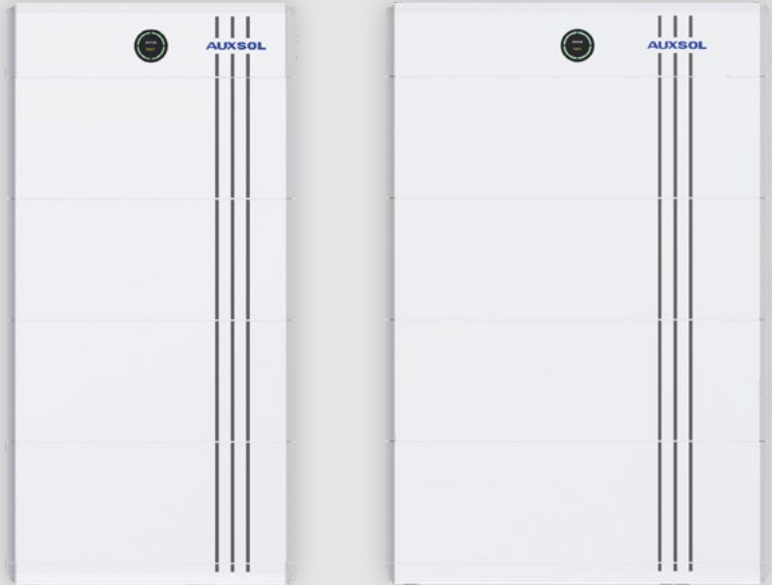


DC-DC BATTERY(HV)

HIGH-VOLTAGE

ABL03-T(05-20)D66

ABL03-T(08-32)D66



KEY FEATURES



Support mixing old and new battery packs



Conversion efficiency 98.5%



Equipped with lightning protection function



Save electricity costs



Supports the parallel connection of two battery packs

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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ABL03-T05D66	ABL03-T10D66	ABL03-T15D66	ABL03-T20D66	ABL03-T08D66	ABL03-T16D66	ABL03-T24D66	ABL03-T32D66
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MODULE

Battery cell specifications	Lithium iron phosphate 314Ah/3.2V							
Cell grouping method	1P6S				1P8S			
Number of packs	1	2	3	4	1	2	3	4
Total capacity	5kWh	10kWh	15kWh	20kWh	8.06kWh	16.12kWh	24.18kWh	32.24kWh
Rated charging and discharging power	2.5kW	5kW	8kW	10kW	4kW	8kW	12kW	16kW
Rated voltage	470V(370~560V)							

ELECTRICAL PARAMETER

Weight	71kg	129kg	187kg	245kg	80.2kg	144.7kg	209.2kg	273.7kg
Height - including base	500mm	780mm	1060mm	1340mm	525mm	800mm	1075mm	1350mm
Width - including decorative parts	738mm				870mm			
Depth - including decorative parts	260mm				255mm			
Installation method	Floor installation, wall mounted installation							
Working temperature	-20~55°C							
Storage temperature	-25~60°C							
Relative humidity	5~95% RH (without condensation)							
Working altitude	≤4000m							
Thermal management	Natural cooling and battery heating function							
Protection level	IP66							
Protection strategy	Overvoltage and overcurrent protection, short circuit protection, and over temperature protection							
Scalability	Parallel connection of two stacks							
Mixing old and new battery packs	support							
Fire control	Pack level fire protection							
Authentication	REACH, RoHS, IEC62620, IEC60730, IEC62619, IEC63056, UN38.3							

DISPLAY & COMMUNICATION

Display	SOC status, faults, and operational status							
Communication Interface	RS485/CAN							