

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 recentversion at the moment of signing the contract.

AUX GROUP

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Assets

\$12.4 g

500

China's Top

Business Industries

40000+

Employees



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| | ABL03- T05D66 | ABL03- T10D66 | ABL03- T15D66 | ABL03- T20D66 | ABL03- T08D66 | ABL03- T16D66 | ABL03- T24D66 | ABL03- T32D66 |
|--------------------------------------|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 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 | 71 kg | 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 | | | | | | mm | |
| 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/CA | | | | | | | |