

Ucanpower, Bring Energy to Life!



ULB-5120MT Low Voltage Battery System

ULB series is a low voltage battery that offers multiple energy storage options through an expandable modular design (1-4 modules combined), which further simplifies installation and O&M with multiple smart functions. The safest battery cell technology (LFP) comes with a high charging rate, ensuring superior performance.



Support 1C charge and discharge rate.



Flexible capacity options, 5.12kWh to 20.48kWh



Easy installation with modular and stacked design



Remote diagnosis and real-time data monitoring

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| Model | ULB-5120MT | | | |
|--------------------------------|--|-------------|--------------|--------------|
| System Structure | | | | |
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| System Parameters | | | | |
| Number of battery | 1 | 2 | 3 | 4 |
| Battery capacity (kWh) | 5.12 | 10.24 | 15.35 | 20.48 |
| Usable energy (kWh) | 4.6 | 9.22 | 13.82 | 18.43 |
| Rated capacity (Ah) | 100 | | | |
| Rated voltage (V) | 51.2 | | | |
| Voltage range (V) | 44.8~57.6 | | | |
| Max. charge and discharge rate | 1C | | | |
| Cycle times | 80% DOD, cycles>6000, residual capacity>70% | | | |
| Communication | RS485/CAN 2.0 | | | |
| Protection function | Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit | | | |
| Dimension (mm) | 675*200*620 | 675*200*985 | 675*200*1350 | 675*200*1715 |
| Weight (kg) | 70 | 124 | 178 | 232 |
| Working Conditions | | | | |
| Installation | Indoor | | | |
| Operating temperature | 0°C~50°C (Charge) / -10°C~50°C (Discharge) | | | |
| Optimum working temperature | 20°C~30°C | | | |
| Storage temperature | -15°C~60°C | | | |
| Humidity | 5%-95% | | | |
| Cooling strategy | Natural | | | |
| Enclosure protection rating | IP65 | | | |
| Altitude (m) | <2000 | | | |
| Certificate | UN38.3, IEC 62619, UL9540, UL1973 | | | |

