

## Low Voltage Battery

### HYX-E50-LR

Version 1.0-2601  
Design and specifications are subject to change without notice



- High security and excellent efficiency.
- Compatible with CAN/485 communication.
- Simple structure, easy for installation and maintenance.



- Modular design, with a maximum support of 16 units in parallel for capacity expansion.
- High capacity, high power output.

## Technical Specifications

HYX-E50-LR

Product Model	HYX-E50-LR
<b>Performance</b>	
Battery Type	Lithium-ion
Rated Energy*	5.12kWh
Rated Voltage	51.2Vdc
Rated Capacity	100 (1C)Ah
Rated Charge Current	50A
Rated Discharge Current	50A
Max.Continuous Charge Current	100A
Max.Continuous Discharge Current	100A
Communication	RS485/CAN2.0
Display	LED Display
Cycle Life	6000 cycles (@90%DOD 70%SOH)
Protection	Double Safety Control [Bms, Circuit Protection], Over-Temperature Protection, Over-Current Protection, Short-Circuit Protection, Over-Charge Protection, Over-Discharge Protection
Parallel Connection	Up to 16 Units (81.92kWh)
<b>Mechanical</b>	
Dimensions [W*H*D]	443*133*492mm
Weight	41kg
<b>Environment</b>	
Storage Environment Temperature	-10 ~ +50°C
Discharge Temperature	-10 ~ +50°C
Charge Temperature	0 ~ +55°C
Relative Humidity	5% ~ 95%
Protection Level	IP20
Altitude	≤3000m
Cooling	Natural Cooling
Installation	Floor-mounted, Wall-mounted
<b>Certification</b>	
Battery System	IEC 62619:2022
CE Standards	EN/IEC 61000-6-1&3
Others	UN 38.3

\*Test Conditions - Temperature 25°C, at the beginning of life.