

LOW VOLTAGE BATTERY -50



ULTIMATE SAFETY

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

EFFICIENT MANAGEMENT

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

TECHNICAL SPECIFICATION

Product Model		RBT-E50
Performance	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)	
Mechanical	Dimesions (W*H*D)	443*133*492mm
	Weight	41 kg
Environment	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	
Certification	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.