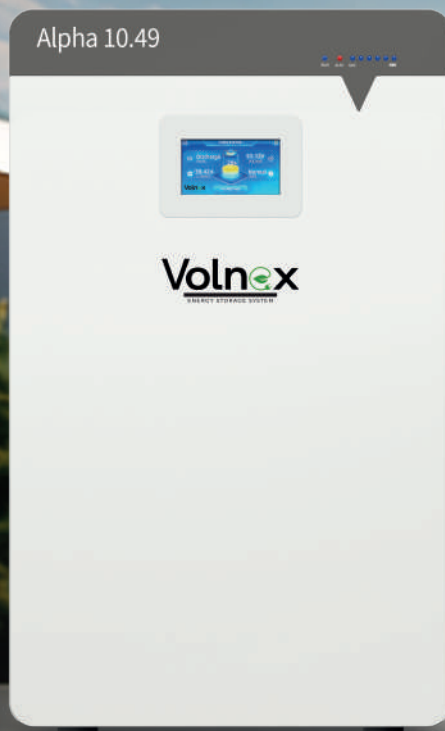




RESIDENTIAL BATTERY

Alpha 10.49

Low Voltage



Top-notch LFP Class A cell
/ Strict capacity grading



100% tested for safety,
readability and
capacity



Auto aerosol fire extinguishing
Ultimate security, strengthen
defense



Real-time data
monitoring and
firmware update



Full automatic
manufacturing
Products



Precise voltage/temperature
/SOC detection



One button start/stop and
parallel connection



Touch LCD display
shows data visually

DATASHEET

Model	Alpha 10.49
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Performance

Cell Technology	LiFePO ₄ , Lithium Iron Phosphate
Nominal Voltage	51.2 Vdc
Nominal Capacity	205 Ah
Battery Usable Energy [1]	10496 Wh
Operating Voltage	44.8 - 56.16 Vdc
Nominal Charge And Discharge Current	100 A
Max. Charge And Discharge Current [2]	200 A

Communication

Display	LCD display, LED indicator
Communication	CAN / RS485 / RS232 / Wi-Fi

General Specification

Dimension (W×D×H)	425×245×706 mm
	16.73×9.65×25.31 inch
Weight	82 Kg (180. 78 lbs)
Installation	Floor stand or Wall mounted
Operating Temperature [3]	Charge : 0 to 50°C (32 to 122°F) Discharge: -15 to 50°C (5 to 122°F)
Operating / Storage / Humidity	≤ 95%RH
Ingress Protection Rating	IP 20
Warranty Period [4]	5 years
Scalability	Max 15 batteries in parallel
Cycle Life	6000 Cycles @ 80%DOD / 25°C / 0.5C 60% EOL

Standard Compliance

Compliance	UN38.3, IEC62619, IEC61000 (more available upon request)
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Ordering and Deliverable Part

Part	Alpha 10.49 Battery
	Alpha 10.49 Parallel cable
	Alpha 10.49 to PCS cable

[1] Test conditions: 100% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C.

[2] There is 0.5C or 1C configurations optional in factory default.

[3] Charge/discharge derating occurs when the temperature is below 0°C or above 45°C.

[4] Please refer to the Warranty Letter for applicable conditions.

