


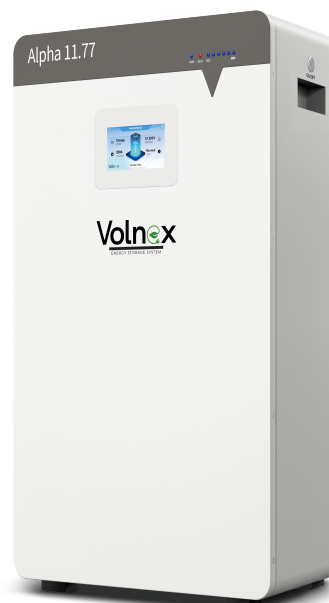
RESIDENTIAL BATTERY

Alpha 11.77

Low Voltage

Features

-  Auto aerosol fire extinguishing
Ultimate security, strengthen defense
-  One button start / stop and parallel connection
-  Full automatic manufacturing products
-  Real-time data monitoring and firmware update
-  100% tested for safety, readability and capacity
-  Touch LCD display shows data visually
-  Top-notch LFP Class A cell / Strict capacity grading
-  Versatile installation
-  Precise voltage / temperature / SOC detection



DATASHEET

Model		Alpha 11.77
Performance		
Cell technology		LFP (LiFePO ₄)
Battery usable energy [1]		11776 Wh
Cell Capacity		230 Ah
Nominal voltage		51.2 Vdc
Operating voltage		44.8 ~ 56.16 V
Max. charge and discharge current [2]		200 A
Communication		
Display		SOC status indicator, LED indicator, LCD display
Communication		CAN / RS485 / RS232 / Wi-Fi
General Specification		
Dimension (W×D×H)	425×245×690 mm	
	16.73×9.65×27.17 inch	
Weight	89 Kg (196.21 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)
Environmental humidity		≤ 95%RH (No condensation)
Ingress protection rating		IP20
Cycle Life		6000 Cycles @ 80%DOD / 25°C / 0.5C 60% EOL
Warranty Period [4]		10 years warranty (5 years product + 5 years service)
Scalability		Max. 15 batteries in parallel
Application		ON Grid / ON Grid + Backup / OFF grid
Compatible inverters		Refer to compatible inverter list (Compatible with major PCS brands)
Standard Compliance		
Compliance		UN38.3 / IEC62619 / IEC61000 (More available upon request)
Ordering and Delivery Parts		
Parts	Alpha 11.77 Battery	
	Alpha 11.77 Parallel cable	
	Alpha 11.77 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.