

RESIDENTIAL BATTERY

Armor 5.12





Auto aerosol fire extinguishing Ultimate security, strengthen defense



Precise voltage / temperature / SOC detection



Full automatic manufacturing , CCS technique



One button start / stop and parallel connection



100% tested for safety, readability and capacity



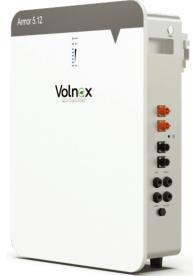
Real-time data monitoring and firmware update



Top-notch LFP Class A cell / Strict capacity grading



P65 design, more installation scenario



DATASHEET

DATASTILLT	
Model	Armor 5.12
Performance	
Cell technology	LFP (LiFePO ₄)
Battery usable energy [1]	5120 Wh
Cell Capacity	100 Ah
Nominal voltage	51.2 Vdc
Operating voltage	44.8 ~ 56.16 V
Max. charge and discharge current [2]	100 A
Communication	
Display	SOC status indicator, LED indicator
Communication	CAN / RS485 / RS232 / Wi-Fi
General Specification	
Dimension (W×D×H)	470×160×635 mm
	18.5×63×25 inch
Weight	48.8 kg (107.5 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	IP65
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 para ll el
Application	ON Grid / ON Grid + Backup / OFF grid
Compatib l e 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	Armor 5.12 Battery
	Armor 5.12 Parallel cable
	Armor 5.12 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 $45^{\circ}\text{C}.$
- \cite{A} Please refer to the Warranty Letter for applicable conditions.