



LV-AST-3H12K5.32Aa 102.4V 52Ah Single module

intelligent operating plans.







High-voltage LiFePO4 battery, single module is 102.4V 52Ah.

1 to 2 layers recommended, each layer 2 modules loaded.

Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle and Power. Applicable off grid or hybrid on and off-Grid solar energy storage system.

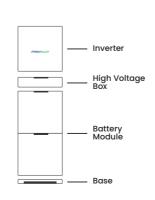
Self-Consumption Optimization for Residential and Commercial Applications.

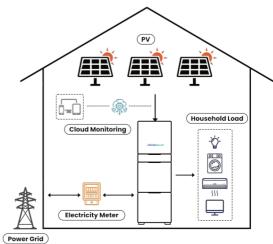
Modular Design Simplifies Transportation and Installation.

DONGUAN LITHIUM VALLEY **ENERGY CO., LTD.**

High-voltage All-in-one Stackable ESS

- Flexible configuration and easy installation Modular design, freely configurable according to different needs
- Multi-mode switching Hybrid, off-grid and grid-connected dual output mode
- **Remote Monitoring** APP intelligent control, efficient and convenient (WiFi, bluetooth)
 - **Home Energy Smart Management** Intelligent configuration of energy storage charging and discharging strategies to maximize integrated value





Dimensions



Battery	LV-AST-3H12K5.32Aa			
Number of layers	1 layer			
Model	204.8V50Ah	307.2V50Ah	409.6V50Ah	
Energy(kWh)	10.24	15.36	20.48	
Operating Voltage Range(V)	179.2~224.64	268.8~336.9	358.4~449.2	
Weight(KG)	180	240	285	
Dimension (L*W*H)mm	653*320*1366		20*1922	
Cell technology	Lithium-iron phosphate (LiFePO4)			
Life cycle	6000 times @80%DOD 25°C 0.5C			
, Rated charge/discharge current(A)		50A		
Input (PV)				
Rated charge/discharge current(A)		15		
Max. DC voltage(V)	1000			
MPPT voltage range(V)	180~850			
Max.input current of single MPPT(A)	13			
MPPT tracker/strings	2/1			
GRID Input				
Rated output power(kVA)		12		
Max. output current(A)	17.3			
Grid voltage/range(V)	400/360~440			
Frequency (Hz)	50/60			
Power factor	-0.8& +0.8			
THDI	<3%			
AC output topology	3W+N+PE			
EPS output				
Rated power(kVA)		12		
Rated output voltage(V)	400			
Max. output current(A)	17.3			
Rated frequency(Hz)	50/60			
Automatic switching time(ms)	· <20			
THDI	<2%			
Overload capacity	110%, 30\$/120%, 10\$/150%, 0.02\$			
General Data				
Battery charge /discharge efficiency		96.7%		
DC Max. efficiency	98.2%			
Europe efficiency	97.5%			
MPPT efficiency	99.5%			
Ingress protection	IP65			
Environment	Indoor/ou	itdoor under roof(avoid dire	ct sunlight)	
Noise emission(dB)	<35			
Operation temperature	-25°C∼ 60°C			
Cooling	Natural Cooling			
Relative Humidity	0 ~95%(non-condensing)			
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*The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.

^{*}The specifications are subject to change without prior notice.



