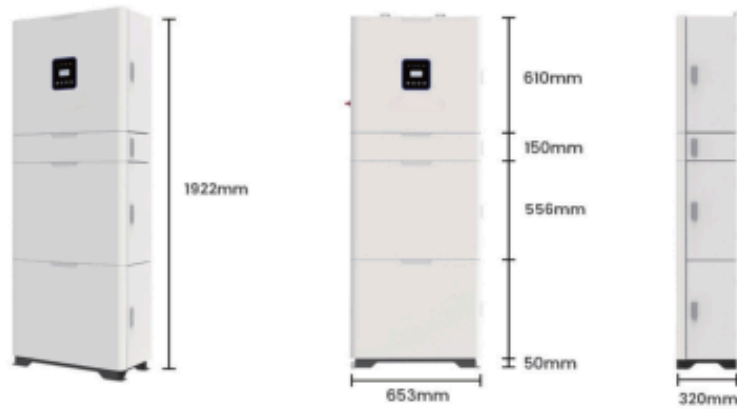


Dimensions



Battery		LV-AST-3H12K5.32Aa	
Number of layers	1 layer	2 layers	
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	653*320*1922	
Cell technology	Lithium-iron phosphate (LiFePO4)		
Life cycle	6000 times @80%DOD 25℃ 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%, 30S/120%, 10S/150%, 0.02S		
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/outdoor under roof(avoid direct sunlight)		
Noise emission(dB)	<35		
Operation temperature	-25℃~ 60℃		
Cooling	Natural Cooling		
Relative Humidity	0 ~95%(non-condensing)		

*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.