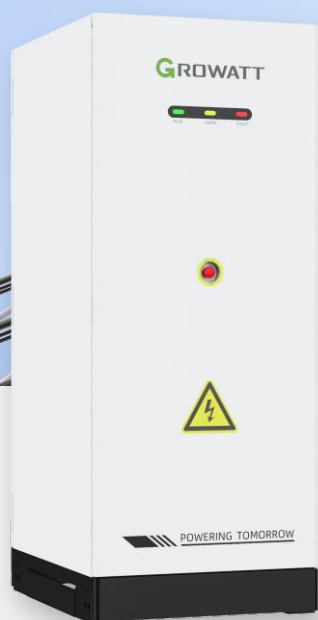


Battery System

AXE 50.0/60.0H-1HT-S1

- Adopt high -safety LFP battery
- Support 1C continuous charge and discharge
- IP55 design, support whole cabinet transportation
- Easy installation and maintenance
- Support multi-cabinet parallel operation



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Datasheet	AXE 50.0H-1HT-S1		AXE 60.0H-1HT-S1	
System Data				
Control module	AXE 1000100-C1			
Number of control module	1			
Battery module	AXE 5.0H-E1 EU			
Battery module energy	5kWh			
Number of modules in series	10		12	
Energy capacity	50kWh		60kWh	
Usable Capacity	45kWh		54kWh	
Rated output power	50kW		60kW	
Max. output power*1	50kW		60kW	
Dimension (W/H/D)	800/2000/1000mm			
Weight	≤0.9t		≤1t	
Nominal voltage	512V		614.4V	
Operating voltage range	464~568V		556.8~681.6V	
Nominal capacity	100Ah(@25°C)			
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)			
IP Protection	IP55			
Installation	Floor stand			
Operating temperature	-25~55°C			
Relative humidity	5% ~ 95%			
Cooling	Air-Conditioning			
Warranty*2	10 years			
Noise emission	<65dB			
Maximum altitude	≤2000m			
Control Module		AXE 1000100-C1		
Dimension (W/H/D)	482/131/580mm			
Weight	≤15kg			
Communication port	CAN/RS485/USB			
Operating voltage range	120V-1000Vdc			
Maximum current	100A			
Monitoring parameters	SOC, System voltage, current, cell voltage,cell temperature, PCBA temperature			
Battery Module		AXE 5.0H-E1 EU		
Nominal energy	5.12kWh			
Nominal voltage	51.2V			
Pack operating voltage range	46.4~56.8V			
Battery module dimension (W/H/D)	482.6/131/580mm			
Battery module weight	≤47kg			
UN 38.3, IEC 62619, IEC 60730, IEC 62477 , CE, RoHS, UKCA				

* 1 Depend on the max. battery charge/discharge power of the inverter.

* 2 Detailed warranty terms should be negotiated with Growatt in the warranty agreement.

* Nominal charge/discharge current and power derating will occur related to temperature and SOC.

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