

Battery System

AXE 30.0~60.0H-1HC-E1

- Adopt high -safety LFP battery
- Battery pack modular design, support 30 ~60kWh flexible expansion
- Support 1C continuous charge and discharge
- Battery pack compatible with 19 -inch cabinet installation
- Easy installation and maintenance
- Support multi-cabinet parallel operation



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Datasheet	AXE 30.0H-1HC-E1	AXE 35.0H-1HC-E1	AXE 40.0H-1HC-E1	AXE 50.0H-1HC-E1	AXE 60.0H-1HC-E1
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	6	7	8	10	12
Energy capacity	30kWh	35kWh	40kWh	50kWh	60kWh
Usable capacity	27kWh	31.5kWh	36kWh	45kWh	54kWh
Rated output power	30kW	35kW	40kW	50kW	60kW
Max. output power* ¹	30kW	35kW	40kW	50kW	60kW
Dimension (W/H/D)	600/2000/800mm				
Weight	≤0.48t	≤0.53t	≤0.58t	≤0.7t	≤0.8t
Nominal voltage	307.2V	358.4V	409.6V	512V	614.4V
Operating voltage range	278.4~340.8V	324.8~397.6V	371.2~454.4V	464~568V	556.8~681.6V
Nominal capacity	100Ah(@25°C)				
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)				
Ingress protection	IP20				
Installation	Floor stand				
Operating temperature	-10~50°C				
Relative humidity	5% ~ 95%				
Cooling	Air-Cooling				
Warranty* ²	5 years				
Noise emission	<60dB				
Maximum elevation	≤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	5kWh				
Nominal voltage	51.2V				
Pack operating voltage/range	46.4~56.8V				
Battery module dimension (W/H/D)	482/131/580mm				
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.

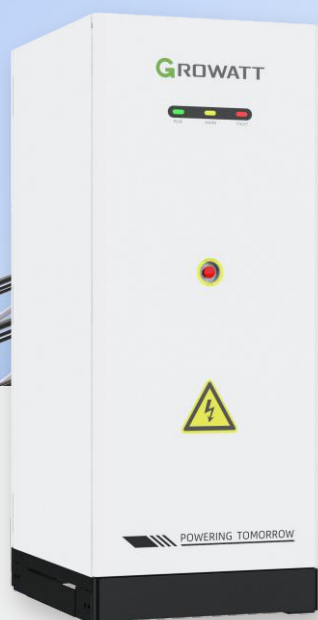
* Nominal charge/discharge current and power derating will occur related to temperature and SOC.

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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				

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