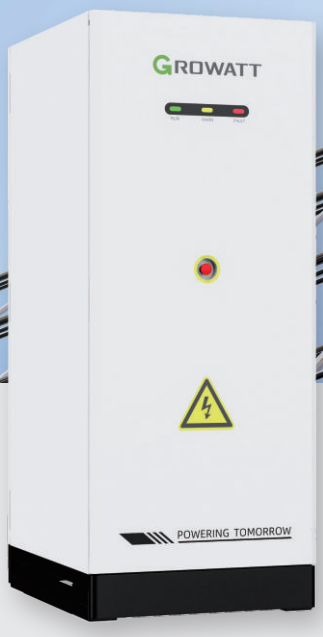
Battery System

AXE 50.0/60.0H-1HT-E1

- 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



POWER-ING TOMO-RROW

GROWATT

en.growatt.com

Datasheet	AXE 50.0H-1HT-E1	AXE 60.0H-1HT-E1
System Data		
Control module	AXE 1000100-C1	
Number of control module	1	
Battery module	AXE 5.0H-E1	
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℃)	
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)	
IP Protection	IP55	
Installation	Floor stand	
Operating temperature	-25~55℃	
Relative humidity	5% ~ 95%	
Cooling	Air-Cooling	
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**	
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.

SHENZHEN GROWATT NEW ENERGY CO.,LTD All rights reserved. All specifications are subject to change without notice.

SHENZHEN GROWATT NEW ENERGY CO.,LTD.
T: + 86 755 2747 1900 F: + 86 755 2749 1460
A: 4-13/F,Building A,Sino-German(Europe)Industrial Park,Hangcheng Ave,Bao'an District,Shenzhen,China
E: info@ginverter.com