

Battery System

AXE 30.0~60.0H-2HR-E1

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



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Datasheet	AXE 30.0H-2HR-E1		AXE 35.0H-2HR-E1		AXE 40.0H-2HR-E1		AXE 50.0H-2HR-E1		AXE 60.0H-2HR-E1														
Control module	AXE 1000100-C1																						
Number of control module	1																						
Battery module	AXE 5.0H-2H-E1																						
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	15kW		17.5kW		20kW		25kW		30kW														
Max. output power* ¹	30kW		35kW		40kW		50kW		60kW														
Dimension (W/H/D)	570/1560/660mm						570/1964/660mm																
Weight	≤0.38t		≤0.43t		≤0.48t		≤0.59t		≤0.69t														
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 (opt. 10 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-2H-E1											
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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