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



POWER-ING TOMO-RROW

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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℃)				
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)				
Ingress protection	IP20				
Installation	Floor stand				
Operating temperature	-10~50℃				
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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