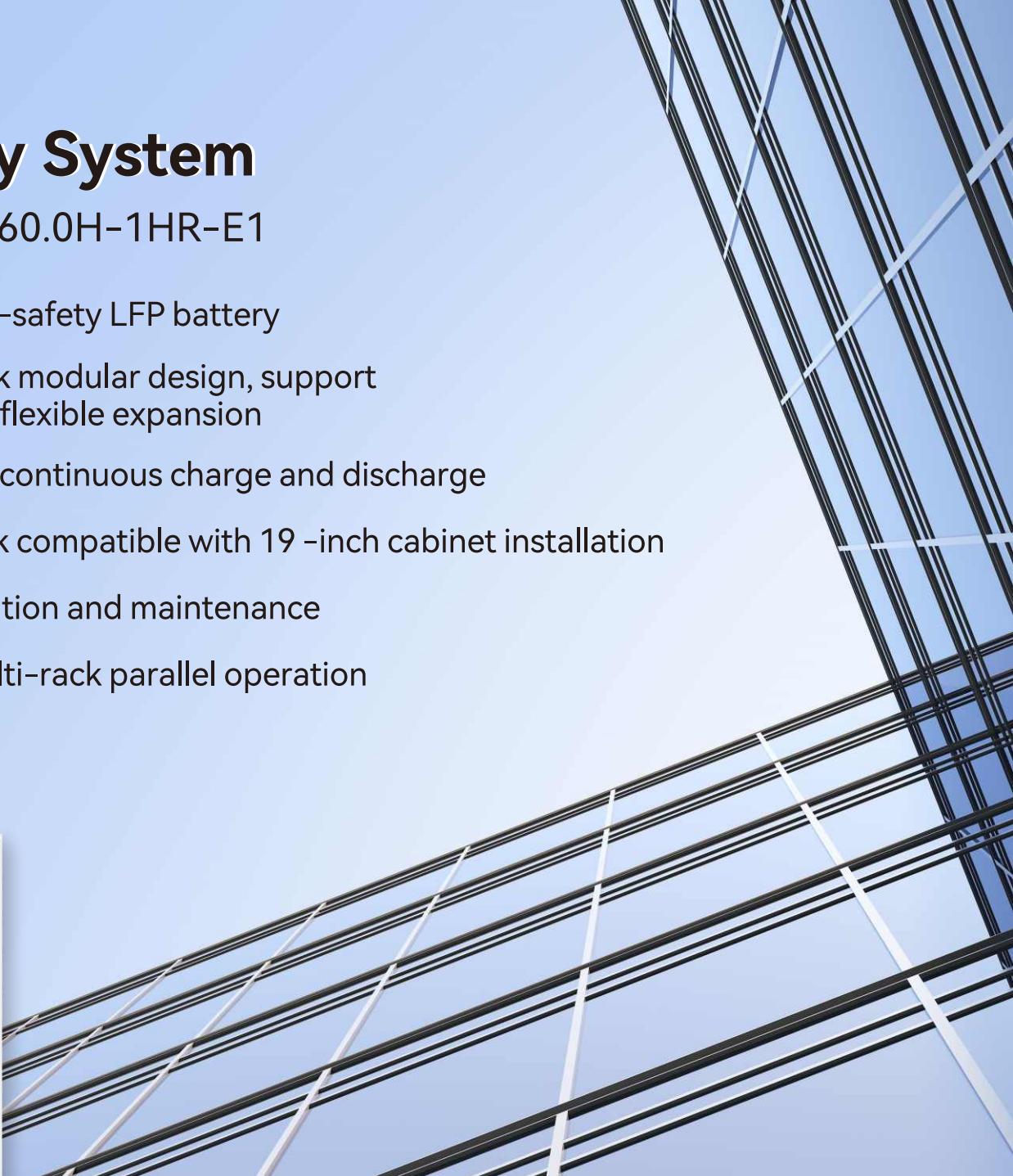
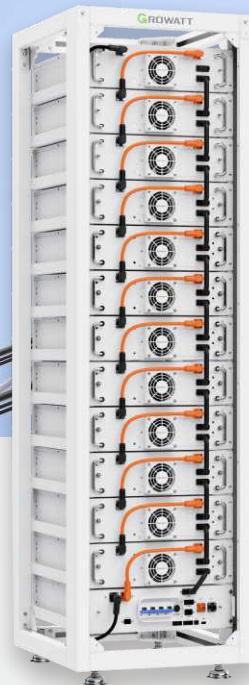


Battery System

AXE 30.0~60.0H-1HR-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-rack parallel operation



P O W E R
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T O M O -
R R O W O

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Datasheet	AXE 30.0H-1HR-E1	AXE 35.0H-1HR-E1	AXE 40.0H-1HR-E1	AXE 50.0H-1HR-E1	AXE 60.0H-1HR-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)		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		
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					

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

* 2Detailed 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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