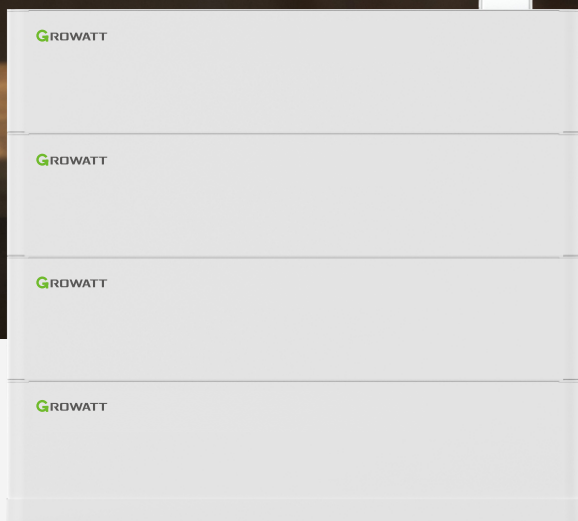


AXE 5.0L Modular Battery

- Flexible capacity options, 5kWh to 400kWh
- Excellent safety of cobalt free LiFePO4 battery
- Stacked installation without cable connection
- Remote firmware upgrade



P O W E R
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Datasheet	AXE 5.0L	AXE 10.0L	AXE 15.0L	AXE 20.0L	AXE 25.0L	AXE 30.0L	AXE 35.0L	AXE 40.0L	AXE 45.0L	AXE 50.0L
System demo										
Battery module	AXE 5.0L - C1 (5.0kWh, 51.2V, 40kg)									
Number of modules	1	2	3	4	5	6	7	8	9	10
Energy capacity	5.0kWh	10.0kWh	15.0kWh	20.0kWh	25.0kWh	30.0kWh	35.0kWh	40.0kWh	45.0kWh	50.0kWh
Nominal Power* ¹	3kW	6kW	6kW	6kW	6kW	6kW	6kW	6kW	6kW	6kW
Nominal charge/Discharge current	60A	120A	120A	120A	120A	120A	120A	120A	120A	120A
Peak power	4.5kW@3s	9kW@3s	11.25kW@3S	11.25kW@3S	11.25kW@3S	11.25kW@3S	11.25kW@3S	11.25kW@3S	11.25kW@3S	11.25kW@3S
Dimension (W/D/H)* ²	650/350/165mm (25.6/14.6/6.5in)	650/350/305mm (25.6/14.6/12in)	650/350/445mm (25.6/14.6/17.5in)	650/350/585mm (25.6/14.6/23in)	650/350/725mm (25.6/14.6/28.5in)	650/350/865mm (25.6/14.6/34in)	650/350/1005mm (25.6/14.6/39.6in)	650/350/1145mm (25.6/14.6/45.1in)	650/350/1285mm (25.6/14.6/50.6in)	650/350/1425mm (25.6/14.6/56.1in)
Weight	42kg/92.4lbs	82kg/180.4lbs	122kg/276.9lbs	162kg/356.4lbs	202kg/444.4lbs	242kg/532.4lbs	282kg/620.4lbs	322kg/708.4lbs	362kg/796.4lbs	402kg/884.4lbs
General										
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)									
Nominal voltage	51.2V									
Operating voltage range	48 - 57.6V									
IP protection	IP20 /NEMA Type1									
Installation	Floor installation* ³									
Operation temperature	0°C-50°C/32-122°F									
Features										
DoD	92%									
Multi-cluster AXE battery system in parallel	Max. 8 clusters (Max. 400kWh)									
BMS Monitoring Parameters	SOC, System voltage, Current, Cell voltage, Cell temperature, PCBA temperature measurement									
Communication port	CAN/RS485									
Performance warranty	10 years									
CE, ROHS, UL1973+FCC, UN38.3+PI965										

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

*2 The system dimension is included with the battery base.

*3 Floor installation requires extra base (W/D/H=654/353/25mm).

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

* AXE series battery has an EU model and a General model, the storage inverters sold in European countries only work with EU model AXE battery.