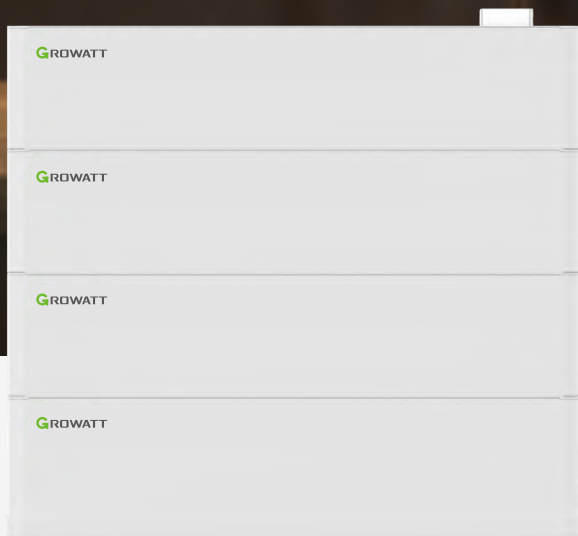


# AXE 5.0L Modular Battery

- 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, 45kg)									
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
Dimension (W/D/H)*1	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	47kg/103.4lb	92kg/202.4lb	137kg/301.4lb	182kg/400.4lb	227kg/499.4lb	272kg/598.4lb	317kg/697.4lb	362kg/796.4lb	407kg/895.4lb	452kg/994.4lb
Max Charge	60A	120A	150A	150A	150A	150A	150A	150A	150A	150A
Max Discharge	60A	120A	150A	150A	150A	150A	150A	150A	150A	150A
<b>General</b>										
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*2									
Operation Temperature	0°C-50°C/32-122°F									
<b>Features</b>										
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									
Warranty(5/10 years)	Yes/Opt									
<b>Certification</b>										
CE, ROHS, UL1973+FCC, UN38.3+PI965										

\*1 The system dimension is included with the battery base

\*2 Floor installation requires extra base (W/D/H=654/353/25mm)

\* 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.