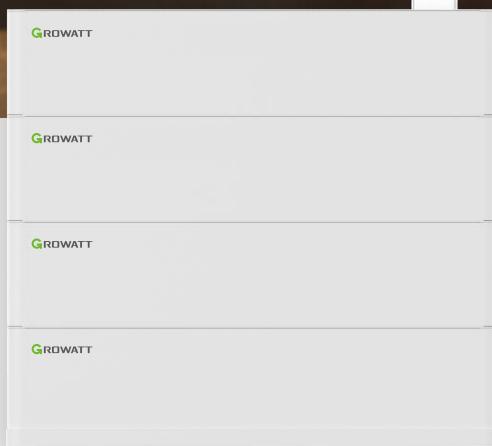


AXE 5.0L Modular Battery

for 160A per cluster

- 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
- I N G O
T O M O -
R R O W O

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 charge/ discharge power* ¹	2.5/3.1kW	5.1/6.1kW	7.6/8.1kW	8.1kW	8.1kW	8.1kW	8.1kW	8.1kW	8.1kW	8.1kW
Maximum charge / discharge power	4.0kW	8.1kW	9.2kW	9.2kW	9.2kW	9.2kW	9.2kW	9.2kW	9.2kW	9.2kW
Nominal charge / discharge current	50/60A	100/120A	150/160A	160A	160A	160A	160A	160A	160A	160A
Maximum charge / discharge current	80A	160A	180A	180A	180A	180A	180A	180A	180A	180A
Peak power	4.6kW@3s	9.3kW@3s	9.3kW@3s	9.3kW@3s	9.3kW@3s	9.3kW@3s	9.3kW@3s	9.3kW@3s	9.3kW@3s	9.3kW@3s
Dimension (W/D/H)* ²	650/350/165mm	650/350/305mm	650/350/445mm	650/350/585mm	650/350/725mm	650/350/865mm	650/350/1005mm	650/350/1145mm	650/350/1285mm	650/350/1425mm
Weight	45.8kg	91.6kg	137.4kg	183.2kg	229.0kg	274.8kg	320.6kg	366.4kg	412.2kg	458.0kg
General										
Battery type	Cobalt free lithium iron phosphate (LFP)									
Nominal voltage	51.2V									
Operating voltage range	48 - 57.6V									
IP protection	IP20									
Installation	Floor installation* ³									
Operation temperature	0~50°C									
Features										
DoD	92%									
Mult-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									
CE, ROHS, UL1973+FCC, UN 38.3+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.