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

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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	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	42kg	82kg	122kg	162kg	202kg	242kg	282kg	322kg	362kg	402kg
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.

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