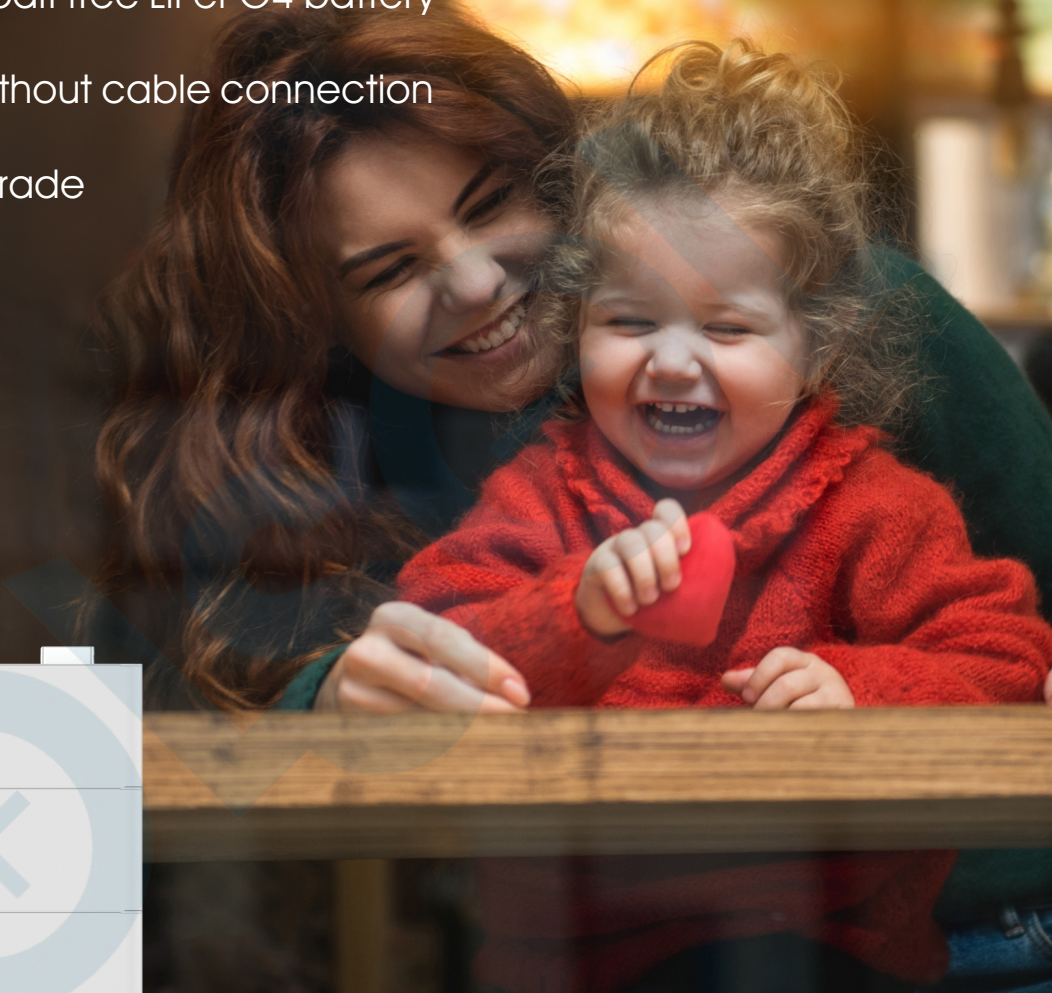


AXE 5.0L Modular Battery

- 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	120A	120A	120A	120A	120A	120A	120A	120A
Max Discharge	60A	120A	120A	120A	120A	120A	120A	120A	120A	120A

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*2
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
Warranty(5/10 years)	Yes/Opt

Certification

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.



SOLSOL s.r.o.
Králova 298/4, Brno, 616 00, Czech Republic
sales@solsol.cz
www.solsol.cz