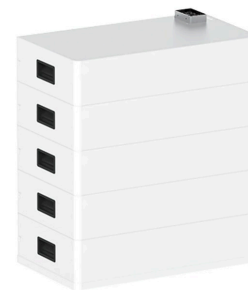


HOME ENERGY STORAGE

AXE LV Battery

Stackable battery · 5 – 50 kWh · 10 models


5 – 50 kWh
ENERGY CAPACITY

51.2 V
NOMINAL VOLTAGE

IP20
PROTECTION CLASS

5 years
WARRANTY

Parameter	Unit	Common to all models
Battery		
Cell type		Cobalt free lithium iron phosphate (LFP)
Nominal voltage	V	51.2
Operating voltage range	V	48 – 57.6
Depth of discharge (DoD)	%	92
Max. expandable energy	Wh	400000
BMS		Monitors SOC, system voltage, current, cell voltage, cell temperature and PCBA temperature
Battery module		AXE 5.0L-C1(5.0 kWh, 51.2 V, 40 kg)
Max. clusters in parallel		8
General data		
Ingress protection (IP rating)		IP20
Operating temperature range	°C	0 – 50
Installation		Floor installation
Base required for floor installation (W x H x D)	mm	654 × 25 × 353
Warranty	years	5 – 10
Communication		
Communication interfaces		CAN; RS485
Certifications		
Certifications and standards		CE; RoHS; UL 1973; FCC; UN 38.3; PI965

Parameter	Unit	AXE 5.0L	AXE 10.0L	AXE 15.0L	AXE 20.0L	AXE 25.0L
Battery						
Nominal energy capacity	Wh	5000	10000	15000	20000	25000

Parameter	Unit	AXE 5.0L	AXE 10.0L	AXE 15.0L	AXE 20.0L	AXE 25.0L
Max. charge power	W	4000	8100	9200		
Max. discharge power	W	4000	8100	9200		
Max. charge current	A	80	160	180		
Max. discharge current	A	80	160	180		
Peak (surge) power	W	4600	9300			
Number of modules		1	2	3	4	5
Nominal charge power	kW	2.5	5.1	7.6	8.1	
Nominal discharge power	kW	3.1	6.1	8.1		
Nominal charge current	A	50	100	150	160	
Nominal discharge current	A	60	120	160		

General data

Dimensions (W x H x D)	mm	650 × 165 × 350	650 × 305 × 350	650 × 445 × 350	650 × 585 × 350	650 × 725 × 350
Weight	kg	45.8	91.6	137.4	183.2	229

Parameter	Unit	AXE 30.0L	AXE 35.0L	AXE 40.0L	AXE 45.0L	AXE 50.0L
Battery						
Nominal energy capacity	Wh	30000	35000	40000	45000	50000
Max. charge power	W	9200				
Max. discharge power	W	9200				
Max. charge current	A	180				
Max. discharge current	A	180				
Peak (surge) power	W	9300				
Number of modules		6	7	8	9	10
Nominal charge power	kW	8.1				
Nominal discharge power	kW	8.1				
Nominal charge current	A	160				
Nominal discharge current	A	160				

General data

Dimensions (W x H x D)	mm	650 × 865 × 350	650 × 1005 × 350	650 × 1145 × 350	650 × 1285 × 350	650 × 1425 × 350
Weight	kg	274.8	320.6	366.4	412.2	458

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.

XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

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