

C&I ENERGY STORAGE

AXE 30-60H HV Battery

C&I battery · 30 – 60 kWh · 5 models


30 – 60 kWh

ENERGY CAPACITY

307.2 – 614.4 V

NOMINAL VOLTAGE

IP20

PROTECTION CLASS

5 years

WARRANTY

Parameter	Unit	AXE 30.0H-1HR-E1	AXE 35.0H-1HR-E1	AXE 40.0H-1HR-E1	AXE 50.0H-1HR-E1	AXE 60.0H-1HR-E1
Battery						
Nominal energy capacity	Wh	30000	35000	40000	50000	60000
Usable energy capacity	Wh	27000	31500	36000	45000	54000
Nominal voltage	V	307.2	358.4	409.6	512	614.4
Operating voltage range	V	278.4 – 340.8	324.8 – 397.6	371.2 – 454.4	464 – 568	556.8 – 681.6
Nominal capacity	Ah	100				
Cell type		Cobalt-free lithium iron phosphate (LFP)				
Rated output power (battery side)	kW	30	35	40	50	60
Max. discharge power	W	30000	35000	40000	50000	60000
Charge/discharge rate		1C				
General data						
Dimensions (W x H x D)	mm	570 × 1560 × 660			570 × 1964 × 660	
Weight	kg	≤380	≤430	≤480	≤590	≤690
Ingress protection (IP rating)		IP20				
Installation		Floor stand				
Operating temperature range	°C	-10 – 50				
Relative humidity	%	5 – 95				
Cooling		Air cooling				
Noise level	dB	<60				
Max. operating altitude	m	≤2000				
Warranty	years	5				
Communication						
Communication interfaces		CAN; RS485; USB				
Monitoring		SOC; system voltage; current; cell voltage; cell temperature; PCBA temperature				

Parameter	Unit	AXE 30.0H-1HR-E1	AXE 35.0H-1HR-E1	AXE 40.0H-1HR-E1	AXE 50.0H-1HR-E1	AXE 60.0H-1HR-E1
Certifications						
Certifications and standards		UN 38.3; IEC 62619; IEC 60730; IEC 62477; CE; RoHS; UKCA				
System						
Number of battery modules in series		6	7	8	10	12
Battery module model		AXE 5.0H-E1 EU				
Battery module nominal energy	kWh	5				
Battery module nominal voltage	V	51.2				
Battery module operating voltage range	V	46.4 – 56.8				
Battery module dimensions (W x H x D)	mm	482 × 131 × 580				
Battery module weight	kg	≤47				
Number of control modules		1				
Control module model		AXE 1000100-C1				
Control module dimensions (W x H x D)	mm	482 × 131 × 580				
Control module weight	kg	≤15				
Control module operating voltage range	V	120 – 1000				
Control module max. current	A	100				

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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