

HOME ENERGY STORAGE

APX HV Battery

High-voltage battery · 5 – 30 kWh · 6 models



5 – 30 kWh
ENERGY CAPACITY

450 V
NOMINAL VOLTAGE

2.5 – 6.2 kW
RATED POWER

IP66
PROTECTION CLASS

Parameter	Unit	APX 5.0P	APX 10.0P	APX 15.0P	APX 20.0P	APX 25.0P	APX 30.0P
Battery							
Cell type		Cobalt-free lithium iron phosphate (LFP)					
Nominal energy capacity	Wh	5000	10000	15000	20000	25000	30000
Nominal voltage	V	450					
Operating voltage range	V	380 – 550					
Rated output power	W	2500	5000	6200			
Peak (surge) power	W	4000	8000	10000			
Depth of discharge (DoD)	%	90					
Max. expandable energy	Wh	30000					
General data							
Dimensions (W x H x D)	mm	690 × 575 × 185	690 × 870 × 185	690 × 1165 × 185	690 × 1460 × 185	1380 × 1165 × 185	
Weight	kg	62	112	162	212	265	315
Ingress protection (IP rating)		IP66					
Installation		Wall-mounted or floor installation					
Operating temperature range	°C	–10 – 50					
Relative humidity	%	5 – 95					
Cooling		Natural					
Max. operating altitude	m	≤4000					
Warranty	years	10					
System							
Power module		APX 55027-P0					
Number of power modules		1					
Battery module		APX 5.0P-B1					
Number of battery modules		1	2	3	4	5	6

Parameter	Unit	APX 5.0P	APX 10.0P	APX 15.0P	APX 20.0P	APX 25.0P	APX 30.0P
Power module dimensions (W x H x D)	mm	690 × 220 × 185					
Power module weight	kg	10					
Power module max. current	A	17					
Power module peak current		27 A for 60 s					
Power module max. output power	W	6200					
Compatible inverters		MIN 2500-6000TL-XH					
Battery module nominal energy	Wh	5000					
Battery module nominal voltage	V	385					
Battery module operating voltage range	V	330 – 450					
Battery module dimensions (W x H x D)	mm	690 × 295 × 185					
Battery module weight	kg	50					
Communication							
Communication interfaces		CAN; RS485					
Monitoring		SOC, system voltage, current, cell voltage, cell temperature, PCBA temperature					
Certifications							
Certifications and standards		IEC 62040; IEC 62477; IEC 62619; CE; RCM; VDE 2510-50; UKCA; UN38.3					

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.

E-mail lidreamtec@163.com

WhatsApp +86 133 5280 0772