

HOME ENERGY STORAGE

APX HV Battery 2.0

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



5 – 30 kWh
ENERGY CAPACITY

400 V
NOMINAL VOLTAGE

10000 cycles
CYCLE LIFE

IP66
PROTECTION CLASS

Parameter	Unit	APX 5.0M-S3	APX 10.0M-S3	APX 15.0M-S3	APX 20.0M-S3	APX 25.0M-S3	APX 30.0M-S3
Battery							
Cell type		Cobalt-free lithium iron phosphate (LFP)					
Nominal energy capacity	Wh	5000	10000	15000	20000	25000	30000
Nominal voltage	V	400					
Operating voltage range	V	350 – 550					
Nominal voltage, three-phase system	V	750					
Operating voltage range, three-phase system	V	660 – 980					
Max. discharge power	W	2500	5000	7500	10000		
Max. output power, three-phase system	W	2500	5000	7500	10000	12500	15000
Peak (surge) power	W	3500	7000	10500	14000		
Peak output power, three-phase system	W	3500	7000	10500	14000	17500	21000
Depth of discharge (DoD)	%	100					
Cycle life	cycles	10000					
Max. expandable energy	Wh	30000					
General data							
Dimensions (W x H x D)	mm	590 × 425 × 255	590 × 690 × 255	590 × 955 × 255	590 × 1220 × 255	590 × 1485 × 255	590 × 1750 × 255
Weight	kg	53.2	98.2	143.2	188.2	233.2	278.2
Ingress protection (IP rating)		IP66					
Installation		Wall-mounted or floor-mounted					
Operating temperature range	°C	–20 – 55					
Heating film		Yes					

Parameter	Unit	APX 5.0M-S3	APX 10.0M-S3	APX 15.0M-S3	APX 20.0M-S3	APX 25.0M-S3	APX 30.0M-S3
Relative humidity	%	5 – 95					
Cooling		Natural					
Max. operating altitude	m	≤4000					
Warranty	years	10					
System							
Master module		APX 5.0M-B3					
Battery module		APX 5.0P-B3					
System configuration		1 x APX 5.0M-B3	1 x APX 5.0M-B3 + 1 x APX 5.0P-B3	1 x APX 5.0M-B3 + 2 x APX 5.0P-B3	1 x APX 5.0M-B3 + 3 x APX 5.0P-B3	1 x APX 5.0M-B3 + 4 x APX 5.0P-B3	1 x APX 5.0M-B3 + 5 x APX 5.0P-B3
Master / battery module energy	Wh	5000					
Master module dimensions (W x H x D)	mm	590 × 365 × 255					
Master module weight	kg	51					
Master module max. output current, single-phase system	A	28.6					
Master module peak output current, single-phase system		40 A for 10 s					
Master module max. output power, single-phase system	W	12000					
Master module max. output current, three-phase system	A	22.73					
Master module peak output current, three-phase system		31.82 A for 10 s					
Master module max. output power, three-phase system	W	18000					
Battery module dimensions (W x H x D)	mm	590 × 265 × 255					
Battery module weight	kg	45					
Communication							
Communication interfaces		CAN; RS485					
Monitoring		SOC, system voltage, current, cell voltage, cell temperature, PCBA temperature					
Certifications							
Certifications and standards		IEC 62619 (Cell & Pack); IEC 60730; IEC 62477-1; IEC 62040-1; CE (EN 61000); UN38.3; IEC 60529; REACH; CEC					

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

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