

**APX 5. 0–30. 0P–S1**

**Data sheet**

System Data						
System Model	APX 5.0P-S1	APX 10.0P-S1	APX 15.0P-S1	APX 20.0P-S1	APX 25.0P-S1	APX 30.0P-S1
High Voltage Controller	APX 98020-P1					
Number of high voltage controller	1					
Battery module	APX 5.0P-B1					
Battery module energy	5kWh					
Number of Battery Modules	1	2	3	4	5	6
Nominal energy	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh
Rate energy	4.5kWh	9kWh	13.5kWh	18kWh	22.5kWh	27kWh
Depth of discharge	90%	90%	90%	90%	90%	90%
Rated input and output power	2.5kW	5kW	7.5kW	7.5kW	7.5kW	7.5kW
Peak output power	4kW, 60s	8kW, 60s	12kW, 60s	12kW, 60s	12kW, 60s	12kW, 60s
Dimension of system (W*D*H) <sup>note①</sup>	690 * 185 * 660 mm	690 * 185 * 955 mm	690 * 185 * 1250 mm	690 * 185 * 1545 mm	(690*2) * 185 * 1250 mm	(690*2) * 185 * 1250 mm
Weight of system <sup>note②</sup>	68kg	118kg	168kg	218kg	271kg	321kg
Max charge/discharge current	4.3A	8.7A	13A	13A	13A	13A
Nominal voltage	650V					
Min voltage	600V					
Max voltage	980V					
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)					
Ingress Protection	IP66					
Installation	Wall-mounted or Floor installation					
Operating ambient temperature	-10℃~50℃					
Relative humidity	5%~95%					
Cooling	Natural					
Altitude	≤4000m					
Warranty	10 years					
Display	LED indicator					
Country of manufacture	China/Vietnam					
<b>High Voltage Controller</b>	<b>APX 98020-P1</b>					
Dimension (W/D/H)	690/185/295mm±2mm					
Weight	16kg±1kg					
Communication Port	CAN/RS485					
Rated input and output power	7.5kW					
B+/B- nominal voltage	385V					
B+/B- min voltage	330V					
B+/B- Max voltage	450V					
BAT+/BAT- nominal voltage	650V					
BAT+/BAT- Min voltage	600V					
BAT+/BAT- Max voltage	980V					
Max charge/discharge current	13A					
Peak current	20A, 60s					
Monitoring Parameters	SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature					
Country of manufacture	China/Vietnam					
<b>Battery module</b>	<b>APX 5.0P-B1 (5kWh, 50kg)</b>					
Nominal energy	5kWh					
Nominal capacity	100Ah (@25℃)					
Rate capacity	100Ah (@25℃)					
Rated input and output power	2.5kW					
Nominal voltage	385V					
Min voltage	330V					
Max voltage	450V					
Max charge/discharge current	7.6A (@25℃)					
Peak current	12.5A (@25℃)					
Cycle life	10 years					
Operating ambient temperature	-10℃~50℃					
Dimensions (W/D/H)	W690*D185*H295mm±2mm					
Weight	50±1kg					
Battery designation	IFpP/51/161/119/[1P16S]M/-10+50/90					
Certification & Licensing	IEC62040/EC62477/EC62619/CE/RCM/VDE2510-50/UKCA/UN38.3					
Country of manufacture	China/Vietnam					
Note	<p>① The size does include the base. When configuring more than 4PCS battery Modules, it is recommended to place them in two groups to avoid stacking too high and inconvenient installation.</p> <p>② When choosing wall-mounted installation, you need to ensure that the installation wall can bear the weight of the battery system. We recommend floor stacking installation.</p>					