

129-200kWh APX Commercial Battery

- Flexible capacity options, 129kWh to 200kWh
- Module level energy optimization
- Support to mix new and old battery modules in one system
- Easy installation with modular and stacked design
- Long lifespan, 10 years warranty



Preliminary Version

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Datasheet	APX 129.0H-S1	APX 143.3H-S1	APX 157.6H-S1	APX 172.0H-S1	APX 186.3H-S1	APX 200.7H-S1
System demo						
Control module	APX 1000140-C1					
Number of power modules	1					
Battery module	APX 14.3P-B1					
Battery module energy	14.33kWh					
Number of battery modules	9	10	11	12	13	14
Nominal energy	129.02kWh	143.36kWh	157.69kWh	172.03kWh	186.36kWh	200.70kWh
Rated energy	116.11kWh	129.02kWh	141.92kWh	154.82kWh	167.72kWh	180.63kWh
Max. output power*1	64kW	71kW	78kW	86kW	93kW	100kW
Peak output power	90kW,60s	99kW,60s	109kW,60s	120kW,60s	130kW,60s	140kW,60s
Dimension (W/H/D)/column*2	920/1350/510mm /2	920/1485/510mm /2	920/1598/510mm /2	920/1733/510mm /2	920/1846/510mm /2	920/1981/510mm /2
Weight	1277kg	1412kg	1547kg	1682kg	1817kg	1952kg
Compatible inverter	WIT 50-100kW/400V series inverter					
Nominal voltage	768V					
Operating voltage range	650V~945V					
Output full load voltage range	720V~880V					
Nominal capacity	280Ah(@25°C)					
Rated capacity	252Ah(@25°C)					
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)					
Ingress protection	IP66					
Installation*3	Floor installation					
DoD	90%					
Operating ambient temperature	-10°C~50°C					
Relative humidity	5%~95%					
Cooling	Smart air cooling					
Altitude	≤4000m					
Warranty	10 years					
Control Module	APX 1000140-C1					
Dimension(W/H/D)	920/135/510 mm					
Weight	25kg					
Communication port	CAN					
Operating voltage range	250V-950V					
Max. continuous current	140A					
Peak current	196A,60s					
Monitoring parameters	SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature					
Battery Module	APX 14.3P-B1					
Nominal energy	14.33kWh					
Nominal voltage	80V					
Operating voltage range	0-105V					
Rated power	7.16kW					
Max. continuous current	140A					
Peak current	196A,60s					
Dimensions(W/H/D)	920/248/510 mm					
Weight	135kg					

IEC 62619(Cell&Pack), IEC 60529, IEC 60730, CE, UN 38.3, RoHS

*1 Depending on the max. battery charge/discharge power of the inverter.

*2 Including control module (APX 1000140-C1)

*3 Floor installation requires extra base (W/H/D=920/110/510mm)

* APX series battery has EU models and American models, the storage inverters sold in European countries only work with EU model APX battery.

* Nominal charge/discharge current and power derating will occur related to temperature and SOC.

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