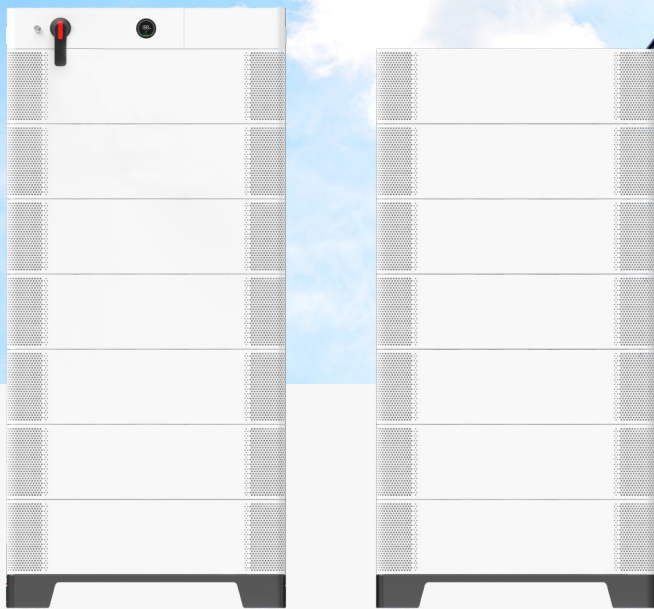


# Commercial Battery System

APX 129~200kWh

- 129kWh~200kWh for 480V WIT inverters
- 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

P O W E R  
- I N G O  
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Datasheet	APX 129.0H-S1-US	APX 143.3H-S1-US	APX 157.6H-S1-US	APX 172.0H-S1-US	APX 186.3H-S1-US	APX 200.7H-S1-US
System demo						
Control module	APX 1000140-C1-US					
Number of power modules	1					
Battery module	APX 14.3P-B1-US					
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 36.2/53.1/20.0inch /2	920/1485/510mm /2 36.2/58.4/20.0inch /2	920/1598/510mm /2 36.2/62.9/20.0inch /2	920/1733/510mm /2 36.2/68.2/20.0inch /2	920/1846/510mm /2 36.2/72.6/20.0inch /2	920/1981/510mm /2 36.2/78.0/20.0inch /2
Weight	1277kg/2815lbs	1412kg/3112lbs	1547kg/3410lbs	1682kg/3708lbs	1817kg/4005lbs	1952kg/4303lbs
Nominal voltage	820V					
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/NEMA 4X					
Installation*3	Floor installation					
DoD	90%					
Operating ambient temperature	-10°C~50°C/14°F~122°F					
Relative humidity	5%~95%					
Cooling	Smart air cooling					
Altitude	≤4000m (13123ft)					
Warranty	10 years					
<b>Control Module</b>	<b>APX 1000140-C1-US</b>					
Dimension(W/H/D)	920/135/510mm 36.2/5.3/20.0inch					
Weight	25kg/55.1lbs					
Communication port	CAN					
Operating voltage range	250V~950V					
Max. continuous current	140A					
Peak current	224A,60s					
Monitoring parameters	SOC, system voltage, current, cell voltage, cell temperature, PCBA temperature					
<b>Battery Module</b>	<b>APX 14.3P-B1-US</b>					
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 36.2/9.7/20.0inch					
Weight	135kg/297.6lbs					

UN38.3, UL1973, UL9540, UL9540A, FCC

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

\*2 Including control module (APX 1000140-C1-US).

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

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

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