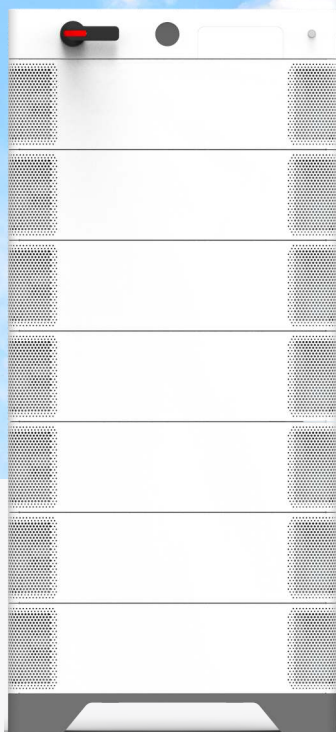


# Commercial Battery System

APX 86~114kWh

- 86kWh~114kWh for 220V&208V 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  
T O M O -  
R R O W O

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[www.ginverter.com](http://www.ginverter.com)

Datasheet	APX 86.0H-S1-US	APX 100.3H-S1-US	APX 114.6H-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	6	7	8
Nominal energy	86.01kWh	100.35kWh	114.68kWh
Rated energy	77.41kWh	90.31kWh	103.21kWh
Max output power*1	43kW	50kW	57kW
Peak output power	60kW,60s	70kW,60s	80kW,60s
Dimension (W/H/D) /column*2	920/1733/510mm /1 36.4/68.2/20.0inch /1	920/1981/510mm /1 36.2/78.0/20.0inch /1	920/1237/510mm /2 36.2/48.7/20.0inch /2
Compatible inverter	WIT 28-55kW/208V&220V series inverter		
Weight	853kg/1881lbs	988kg/2179lbs	1142kg/2517lbs
Nominal voltage	512V		
Operating voltage range	372V~630V		
Output full load voltage range	410V~585V		
Nominal capacity	280Ah(@25°C)		
Rated capacity	252Ah(@25°C)		
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)		
DoD	90%		
Ingress protection	IP66/NEMA 4X		
Installation*3	Floor installation		
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/D/H)	920/510/135mm 36.2 /20.0 /5.3inch		
Weight	25kg/55.1lbs		
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		
<b>Battery Module</b>	<b>APX 14.3P-B1-US</b>		
Nominal energy	14.33kWh		
Expansion ability	Max. 14 units in series up to 200kWh		
Nominal voltage	80V		
Operating voltage range	0~105V		
Rated power	7.16kW		
Max. continuous current	140A		
Peak current	196A,60s		
Dimensions(W/D/H)	920/510/248mm 36.2/20.0 /9.6inch		
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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