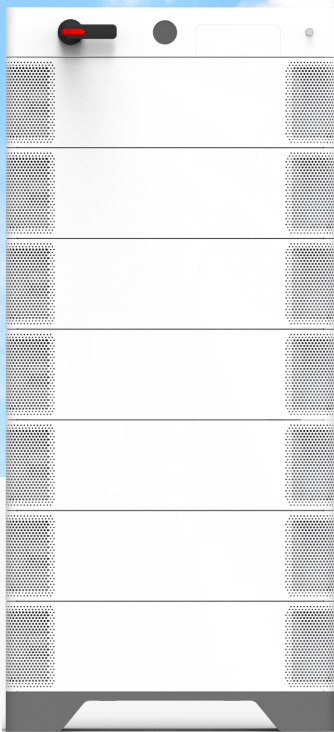


Commercial Battery System

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



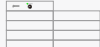


Preliminary Version

P O W E R
- I N G O
T O M O -
R R O W O

GROWATT

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	68.81kW,60s	80.268kW,60s	91.75kW,60s
Dimension (W/D/H) /column*2	920/510/1733mm /1 36.4/20.0/68.2inch /1	920/510/1981mm /2 36.2/20.0/78.0inch /2	920/510/1237mm /2 36.2/20.0/48.7inch /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 Extra battery base, W/D/H=36.2/20/4.3inch (920/510/110mm)		
Operating ambient temperature	-10°C~50°C/14°F~122°F		
Relative humidity	5%~95%		
Cooling	Smart air cooling		
Altitude	≤4000m		
Warranty	10 years		
Control module	APX 1000140-C1-US		
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		
Maximum current	140A		
Peak current	224A,60s		
Monitoring parameters	SOC, system voltage, current, cell voltage, cell temperature, PCBA temperature		
Battery module	APX 14.3P-B1-US		
Nominal energy	14.33kWh		
Expansion ability	Max. 14 units in series up to 200kWh		
Nominal voltage	80V		
Operating voltage range	0~105V		
Dimensions(W/D/H)	920/510/248mm 36.2/20.0/9.8 inch		
Weight	135kg/297.6lbs		

UN38.3, UL1973, UL9540, UL9540A, FCC

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

*2 Include control module (APX 1000140-C1-US)

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

* 2023 SHENZHEN GROWATT NEW ENERGY CO.,LTD All rights reserved. Subject to change without notice.