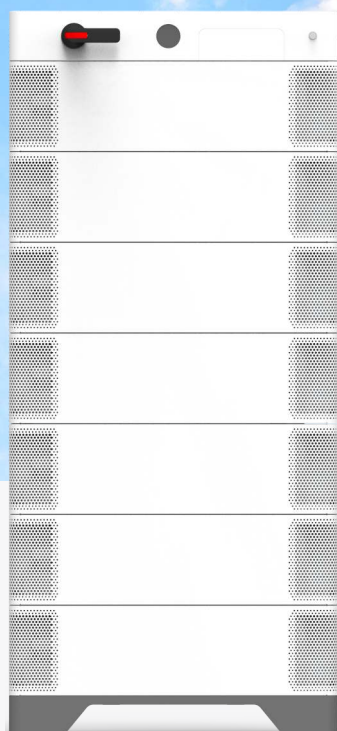


Commercial Battery System

APX 71~114kWh

- 71kWh~114kWh 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

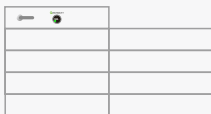
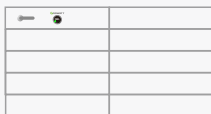


Preliminary Version

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

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Datasheet	APX 71.6P-S1-US	APX 86.0P-S1-US	APX 100.3P-S1-US	APX 114.6P-S1-US
System demo				
Control module	APX 100083-P1-US			
Number of power modules	1			
Battery module	APX 14.3P-B1-US			
Battery module energy	14.33kWh			
Number of battery modules	5	6	7	8
Nominal energy	71.68kWh	86.01kWh	100.35kWh	114.68kWh
Rated energy	64.51kWh	77.41kWh	90.31kWh	103.21kWh
Max output power* ¹	35kW	43kW	50kW	57kW
Peak output power	49kW,60s	60.2kW,60s	70kW,60s	79.8kW,60s
Dimension (W/H/D) /column* ²	920/1708/510mm /1 36.2/67.2/20.0inch /1	920/1956/510mm /1 36.2/77.0/20.0inch /1	920/1212/510mm /2 36.2/47.7/20.0inch /2	920/1460/510mm /2 36.2/57.4/20.0inch /2
Weight	748kg/1650lbs	883kg/1947lbs	1037kg/2286lbs	1172kg/2583lbs
Compatible inverter	WIT 50-100kW/480V series inverter			
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 Extra battery base, W/D/H=36.2/20/4.3inch (920/510/110mm)			
DoD	90%			
Operating ambient temperature	14°F~122°F			
Relative humidity	5%~95%			
Cooling	Smart air cooling			
Altitude	≤4000m (13123ft)			
Warranty	10 years			
Power Module		APX 100083-P1-US		
Dimension(W/H/D)	920/385/510mm 36.2 /15.1/20.0 inch			
Weight	55kg/121.1lbs			
Communication port	CAN			
Operating voltage range	250V~950V			
Max. continuous current	83A			
Peak current	116A,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			
Rated power	7.16kW			
Max. continuous current	140A			
Peak current	196A,60s			
Dimensions(W/H/D)	920/248/510mm 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 power module (APX 100083-P1-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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