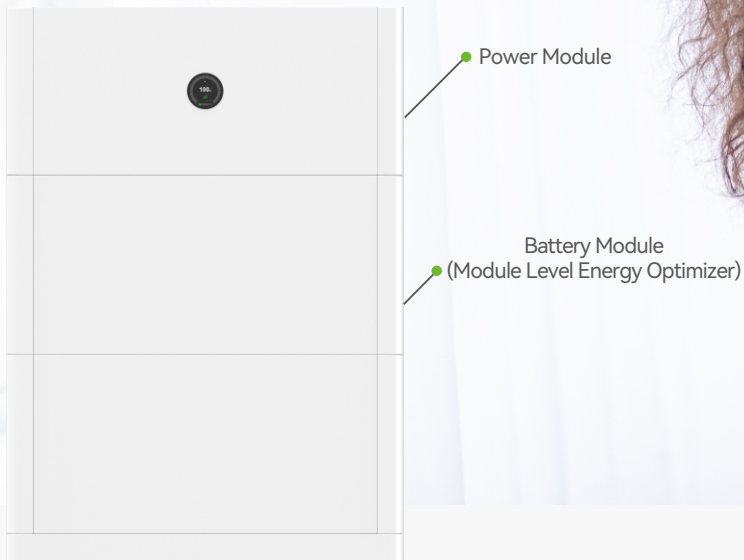





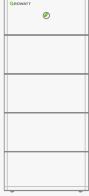


APX HV Battery US

- Flexible capacity options, 5kWh to 30kWh
- 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



- Different SOC and SOH of the battery modules can be mixed in one system.



System Model	APX 5.0P-S0-US	APX 10.0P-S0-US	APX 15.0P-S0-US	APX 20.0P-S0-US	APX 25.0P-S0-US	APX 30.0P-S0-US
System demo						
Battery module	APX 5.0P-B1-US					
Power module	APX 55042-P0-US					
Number of power modules	1					
Battery module energy	5kWh					
Number of battery modules	1	2	3	4	5	6
Nominal Energy	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh
Nominal power*1	2.5kW	5kW	7.5kW	10kW	12kW	12kW
Peak output power	3.5kW,60s	7kW,60s	10.5kW,60s	14kW,60s	17.5kW,60s	19.2kW,60s
Dimension (W/D/H)*2	690/185/705mm 27.1/7.3/27.8in	690/185/1000mm 27.1/7.3/39.4in	690/185/1295mm 27.1/7.3/51in	690/185/1590mm 27.1/7.3/62.6in	(690*2)/185/1295mm (27.1*2)/7.3/51in	(690*2)/185/1295mm (27.1*2)/7.3/51in
Weight	72kg/159lbs	122kg/269lbs	172kg/379lbs	222kg/489lbs	278kg/613lbs	328kg/723lbs
Nominal voltage	400V					
Operating voltage range	380V~550V					
Compatible Inverters	MIN 3000-11400TL-XH-US					
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)					
Ingress Protection	IP66/NEMA 4X					
Installation	Wall-mounted or Floor installation*3				Floor installation	
Operating ambient temperature	-10°C~50°C/14~122°F					
Relative humidity	5%~95%					
Cooling	Natural					
Noise	40dB					
Altitude	≤4000m					
DOD	90%					
Warranty	10 years					
Power module	APX 55042-P0-US					
Dimension(W/D/H)	690/185/295mm 27.1/7.3/11.6 in					
Weight	16kg/35lbs					
Communication port	CAN/RS485					
Battery side voltage range	330V-450V					
Inverter side voltage range	380V-550V					
Maximum current	32A					
Peak current	42A,60s					
Monitoring parameters	SOC, system voltage, current, cell voltage, cell temperature, PCBA temperature					
Battery module	APX 5.0P-B1-US					
Nominal energy	5kWh					
Nominal capacity	100Ah					
Operating voltage range	330-450V					
Dimensions (W/D/H)	690/185/295mm 27.1/7.3/11.6 in					
Weight	50kg/110lbs					
UL9540A, UL1973, FCC, UN38.3						

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

*2 Include power module, battery module and Battery Base

*3 Floor/Wall installation requires extrabase (W/D/H=690/185/115mm)

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

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