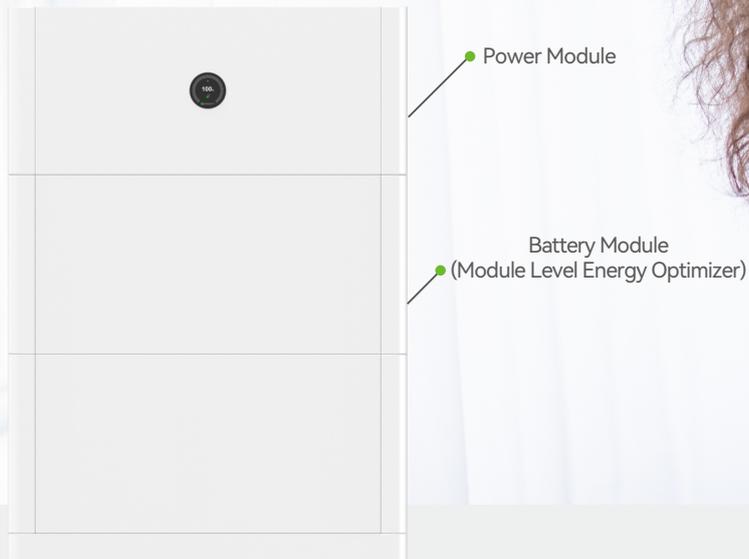


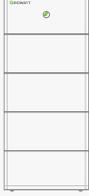
APX HV Battery US

- 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 | -20°C~50°C/-4~122°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

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