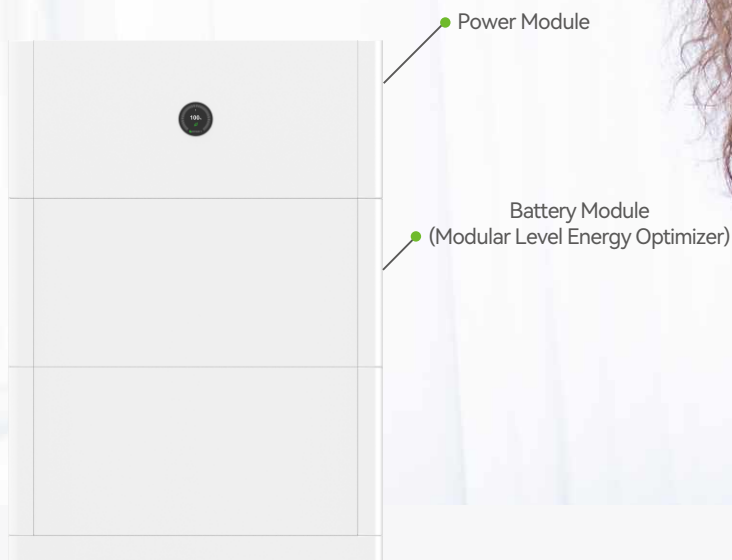








APX HV Battery

- 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	APX 10.0P	APX 15.0P	APX 20.0P	APX 25.0P	APX 30.0P
System demo						
Power module	APX 55027-P0 / APX 98020-P1 / APX 98034-P2					
Number of power modules	1					
Battery Module	APX 5.0P-B1					
Battery module energy	5kWh					
Number of battery modules	1	2	3	4	5	6
Energy capacity	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh
Nominal Power of P0 PM* ¹	2.5kW	5kW	6.2kW	6.2kW	6.2kW	6.2kW
Peak output power of P0 PM* ¹	4kW,60s	8kW,60s	10kW,60s	10kW,60s	10kW,60s	10kW,60s
Nominal Power of P1 PM* ²	2.5kW	5kW	7.5kW	7.5kW	7.5kW	7.5kW
Peak output power of P1 PM* ²	4kW,60s	8kW,60s	12kW,60s	12kW,60s	12kW,60s	12kW,60s
Nominal Power of P2 PM* ³	2.5kW	5kW	7.5kW	10kW	12.5kW	15kW
Peak output power of P2 PM* ³	4kW,60s	8kW,60s	12kW,60s	16kW,60s	20kW,60s	20kW,60s
Dimension (W/D/H)* ⁴	690/185/585mm 690/185/650mm	690/185/870mm 690/185/945mm	690/185/1165mm 690/185/1240mm	690/185/1460mm 690/185/1535mm	690*2/185/1165mm 690*2/185/1240mm	690*2/185/1165mm 690*2/185/1240mm
Weight* ⁵	62kg/68kg	112kg/118kg	160kg/168kg	212kg/218kg	265kg/271kg	315kg/321kg
Nominal voltage (three phase system)	650V					
Operating voltage range (three phase system)	600V~980V					
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)					
Ingress protection	IP66					
Installation	Wall-mounted or Floor installation* ⁶					
Operating ambient temperature	-10°C~50°C					
Relative humidity	5%~95%					
Cooling	Natural					
Altitude	≤4000m					
DOD	90%					
Warranty	10 years					
Power module	APX 55027-P0		APX 98020-P1		APX 98034-P2	
Dimension (W/D/H)	690/185/220mm		690/185/295mm			
Weight	10kg		16kg			
Maximum current	17A		13A		26A	
Peak current	27A,60s		20A,60s		34A,60s	
Max. output power	6.2kW		7.5kW		15kW	
Compatible Inverters	MIN 2500-6000TL-XH		MOD 3000-10000TL3-XH(BP)/MID 11-30KTL3-XH		MID 11-30KTL3-XH	
Communication port	CAN/RS485					
Monitoring parameters	SOC, system voltage, current, cell voltage, cell temperature, PCBA temperature					
Battery module	APX 5.0P-B1					
Nominal energy	5kWh					
Nominal voltage	385V					
Operating voltage range	330-450V					
Dimensions (W/D/H)	690/185/295mm					
Weight	50kg					

IEC62040, IEC62477, IEC62619, CE, RCM, VDE2510-50, UKCA, UN38.3

- * 1.2.3 When using different power modules, the max. charge/discharge power of the battery system is different, APX 55027-P0 is 6.2kW, APX 98020-P1 is 7.5 kW, APX 98034-P2 is 15kW. Also the max. charge/discharge power of the whole system is limited by the max. charge/discharge power of the inverter.
- * 4 Include the power module (APX 55027-P0/APX 98020-P1/APX 98034-P2), battery module, and battery base. The height of system with P0 power module is 75mm shorter than that with P1/P2 module.
- * 5 The weight of system with P0 power module is 6kg lighter than that with P1/P2 module.
- * 6 Floor installation requires extra base (W/D/H=690/185/60mm)
- * Nominal charge/discharge current and power derating will occur related to Temperature and SOC
- * APX series battery has an EU model and a General model, the storage inverters sold in European countries only work with EU model APX battery
- * All rights reserved by SHENZHEN GROWATT NEW ENERGY CO.,LTD. Subject to change without notice.