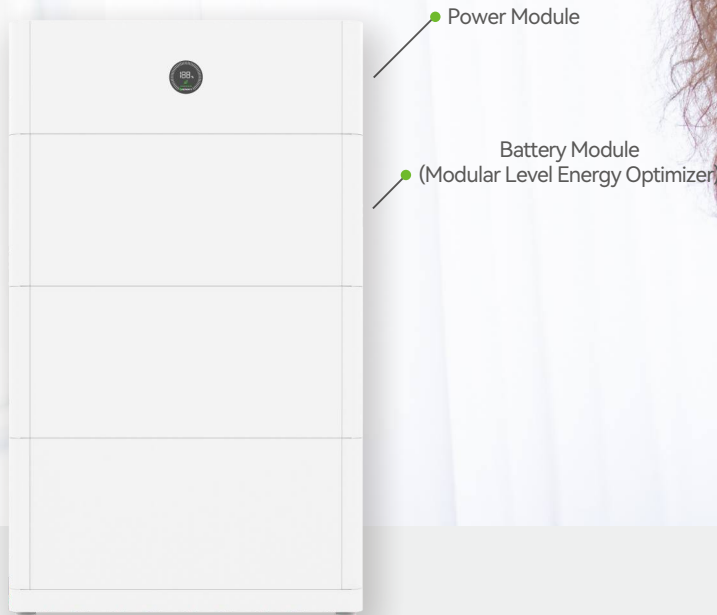


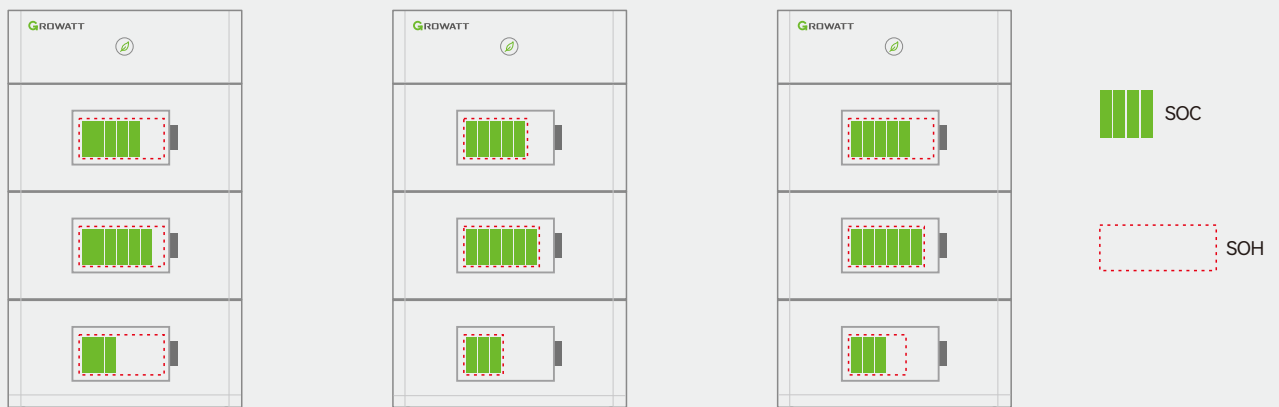
# APX HV Battery







(APX 5.0-30.0P-S0)

- 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					
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* <sup>1</sup>	2.5kW	5kW	6.2kW	6.2kW	6.2kW	6.2kW
Peak output power* <sup>1</sup>	4kW,60s	8kW,60s	10kW, 60s	10kW, 60s	10kW, 60s	10kW, 60s
Dimension (W/D/H)* <sup>2</sup>	690/185/575mm	690/185/870mm	690/185/1165mm	690/185/1460mm	690*2/185/1165mm	690*2/185/1165mm
Weight* <sup>2</sup>	62kg	112kg	162kg	212kg	265kg	315kg
Nominal voltage (single phase system)	450V					
Operating voltage range (single phase system)	380V~550V					
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)					
Ingress protection	IP66					
Installation	Wall-mounted or Floor installation* <sup>3</sup>					
Operating ambient temperature	-10°C~50°C					
Relative humidity	5%~95%					
Cooling	Natural					
Altitude	≤4000m					
DOD	90%					
Warranty	10 years					
<b>Power module</b>	<b>APX 55027-P0</b>					
Dimension (W/D/H)	690/185/220mm					
Weight	10kg					
Maximum current	17A					
Peak current	27A,60s					
Max. output power	6.2kW					
Compatible inverters	MIN 2500-6000TL-XH					
Communication port	CAN/RS485					
Monitoring parameters	SOC, system voltage, current, cell voltage, cell temperature, PCBA temperature					
<b>Battery module</b>	<b>APX 5.0P-B1</b>					
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 The max. charge/discharge power of APX 55027-P0 is 6.2kW, also the max. charge/discharge power of the whole system is limited by the max. charge/discharge power of the inverter and the battery capacity.

\* 2 Include power module(APX 55027-P0) and Battery Base.

\* 3 Floor installation requires extra base (W/D/H=690/185/60mm). Wall-mounted installation requires extra wall bracket.

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

\* MIN 2500-6000TL-XH need a firmware update to work with APX 5.0-30.0P-S0.

\* 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.

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