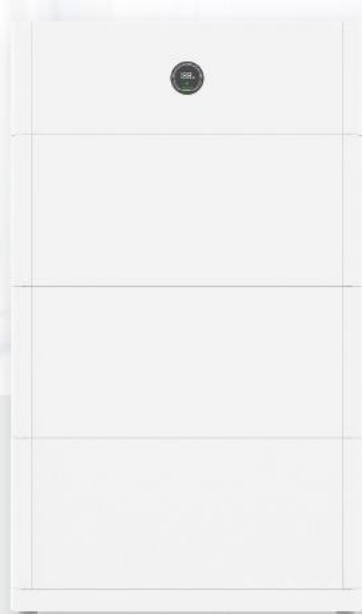


APX HV Battery

(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



● Power Module

● Battery Module
(Modular Level Energy Optimizer)

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



System Model	APX 5.0P-S0	APX 10.0P-S0	APX 15.0P-S0	APX 20.0P-S0	APX 25.0P-S0	APX 30.0P-S0
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* ¹	2.5kW	5kW	6.2kW	6.2kW	6.2kW	6.2kW
Peak output power* ¹	4kW,60s	8kW,60s	10kW, 60s	10kW, 60s	10kW, 60s	10kW, 60s
Dimension (W/D/H)* ²	690/185/585mm	690/185/880mm	690/185/1175mm	690/185/1470mm	690/185/1765mm	690/185/2060mm
Weight* ²	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* ³					
Operating ambient temperature	-10°C~50°C					
Relative humidity	5%~95%					
Cooling	Natural					
Altitude	≤4000m					
DOD	100%					
Warranty	10 years					
Power module						
APX 55027-P0						
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					
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					
Country of manufacture	Made in China					
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/wall installation requires a base (690×185×60mm) or bracket, with a maximum of 6 batteries per column, and must not exceed the limits set by local installation codes.

* 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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