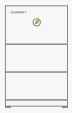
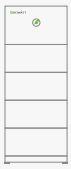
APX HV Battery 2.0
(APX 5.0-30.0M-S3)

- Flexible capacity options, 5kWh to 30kWh
- Unified master module compatible with both single&three phase systems
- Module level energy optimization
- Support to mix new and old battery modules in one system
- Stacked design with no wiring simplifies installation
- Wider operating temperature range from -20℃ to 55℃



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System Model	APX 5.0M-S3	APX 10.0M-S3	APX 15.0M-S3	APX 20.0M-S3	APX 25.0M-S3	APX 30.0M-S3
System demo						
Master module	APX 5.0M-B3					
Battery module	APX 5.0P-B3					
Master/battery module energy	5kWh					
System configuration	1 x APX 5.0M-B3	1x APX 5.0M-B3 1x APX 5.0P-B3	1 x APX 5.0M-B3 2 x APX 5.0P-B3	1 x APX 5.0M-B3 3 x APX 5.0P-B3	1 x APX 5.0M-B3 4 x APX 5.0P-B3	1 x APX 5.0M-B3 5 x APX 5.0P-B3
Energy capacity	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh
Max. output power *1 (Single phase)	2.5kW	5kW	7.5kW	10kW	10kW	10kW
Peak output power*1 (Single phase)	3.5kW,10s	7kW,10s	10.5kW,10s	14kW,10s	14kW,10s	14kW,10s
Max. output power *1 (Three phase)	2.5kW	5kW	7.5kW	10kW	12.5kW	15kW
Peak output power*1 (Three phase)	3.5kW,10s	7kW,10s	10.5kW,10s	14kW,10s	17.5kW,10s	21kW,10s
Dimension of system (W/H/D)*2	590/425/255mm	590/690/255mm	590/955/255mm	590/1220/255mm	590/1485/255mm	590/1750/255mm
Weight of system*3	53.2kg	98.2kg	143.2kg	188.2kg	233.2kg	278.2kg
Nominal voltage (Single phase)	400V					
Operating voltage range (Single phase)	350V-550V					
Nominal voltage (three phase)	750V					
Operating voltage range (three phase)	660V-980V					
DoD	100%*4					
Cycle life	10000*5					
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)					
Ingress protection	IP66					
Installation	Wall-mounted or Floor-mounted					
Operating ambient temperature	-20℃~55℃					
Heating film	Yes					
Relative humidity	5%~95%					
Cooling	Natural					
Altitude	≤4000m					
Warranty	10 years					
Master Module	**APX 5.0M-B3**					
Dimension (W/H/D)	590/365/255mm					
Weight	51kg					
Communication port	CAN/RS485					
Max. output current (Single phase)	28.6A					
Peak output current (Single phase)	40A,10s					
Max. output power (Single phase)	12kW					
Max. output current (Three phase)	22.73A					
Peak output current (Three phase)	31.82A,10s					
Max. output power (Three phase)	18kW					
Monitoring parameters	SOC, System voltage, current, cell voltage,cell temperature, PCBA temperature					
Battery module	**APX 5.0P-B3**					
Nominal energy	5kWh					
Dimension (W/H/D)	590/265/255mm					
Weight	45kg					
IEC62619(Cell&Pack)/IEC60730/IEC62477-1/ IEC62040-1/ CE(EN61000)/UN38.3/IEC60529/REACH/CEC						

* 1 In single-phase system, the APX M-S3 provides a max. charge/discharge power of 10kW. In three-phase system, the APX M-S3 provides a max. charge/discharge power of 15kW. The overall system's max. charge/discharge power is constrained by the inverter's maximum charge/discharge power and the battery's capacity.
* 2 The size includes the base.
* 3 When choosing wall-mounted installation, you need to ensure that the installation wall can bear the weight of the battery system. We recommend floor stacking installation.
* 4 Test conditions: 100% depth of discharge, 0.2C charging & discharging at 25+2℃, at the beginning of life.
* 5 Provided by the battery manufacturer. Test conditions: 25℃±2℃, 0.25C charge and discharge rate, EOL: 60%.

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SHENZHEN GROWATT NEW ENERGY CO.,LTD.
T: + 86 755 2747 1900 F: + 86 755 2749 1460 E: info@growatt.com
A:Room 101, Building 1, Smart Green Energy Industrial Park, Buildings 1 to 7, No. 291 Yunchang Road, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China