

APX 86~114H-S1 Battery system

- 86kWh~114kWh for 220V&208V WIT inverters
- 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






Preliminary Version

P O W E R
- I N G O
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| Datasheet | APX 86.0H-S1 | APX 100.3H-S1 | APX 114.6H-S1 |
|--------------------------------|--|---|---|
| Number of battery modules | 6 | 7 | 8 |
| Demo |  |  |  |
| Nominal energy | 86.01kWh | 100.35kWh | 114.68kWh |
| Rated energy | 77.41kWh | 90.31kWh | 103.21kWh |
| Max output power | 43kW | 50kW | 57kW |
| Peak output power | 68.81kW,60s | 80.268kW,60s | 91.75kW,60s |
| Dimension (W/D/H)*(line) | 920/510/1733mm *1 36,4/20,0/68,2inch *1 | 920/510/1981mm *1 36,2/20,0/78,0inch *1 | 920/510/1237mm *2 36,2/20,0/48,7inch *2 |
| Compatible Inverter | WIFI 28-55kW/208V&220V series inverter | | |
| Weight | 800kg/1763lb | 925kg/2039lb | 1072kg/2358lb |
| Nominal voltage | 512V | | |
| Operating voltage range | 372V~630V | | |
| Output full load voltage range | 410V~585V | | |
| Nominal capacity | 280Ah(@25°C) | | |
| Rated capacity | 252Ah(@25°C) | | |
| Battery type | Cobalt Free Lithium Iron Phosphate (LFP) | | |
| DOD | 90% | | |
| Ingress Protection | IP66/NEMA 4X | | |
| Installation | Floor installation Extra battery base, W/D/H=36,2/20,0/4,3inch (920/510/110mm)* | | |
| Operating ambient temperature | -10°C~-50°C/14°F~-122°F | | |
| Relative humidity | 5%~95% | | |
| Cooling | Smart air cooling | | |
| Altitude | ≤4000m | | |
| Warranty | 10 years | | |
| Control module | APX 1000140-C1 | | |
| Dimension(W/D/H) | 920/510/135mm 36,2 /20,0 /5,3inch | | |
| Weight | 25kg/55,1lb | | |
| Communication Port | CAN | | |
| Operating voltage range | 250V-950V | | |
| Maximum current | 140A | | |
| Peak current | 224A,60s | | |
| Monitoring parameters | SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature | | |
| Battery module | APX 14.3P-B1 | | |
| Nominal energy | 14,33kWh | | |
| Expansion ability | Max. 14 units in series up to 200kWh | | |
| Nominal voltage | 80V | | |
| Operating voltage range | 0-105V | | |
| Dimensions(W/D/H) | 920/510/248 mm 36,2/20,0/9,6 inch | | |
| Weight | 135kg/297,6lb | | |
| Certification & Licensing | IEC62619(Cell&Pack)/IEC60730/VDE2510-50/ CE/CEC/RCM/UN38.3/UL1973/UL9540/UL9540A/FCC | | |

*1 Depend on the max. battery charge/discharge power of the inverter.

*2 Include control module (APX 1000140-C1)

* 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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