

APX 71-114kWh Battery System

- Flexible capacity options, 71kWh to 114kWh
- 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



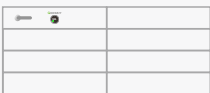
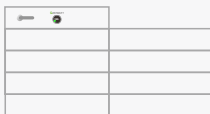


Preliminary Version

P O W E R
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| Datasheet | APX 71.6P-S1 | APX 86.0P-S1 | APX 100.3P-S1 | APX 114.6P-S1 |
|--------------------------------|--|---|--|---|
| System demo |  |  |  |  |
| Number of battery modules | 5 | 6 | 7 | 8 |
| Nominal energy | 71.68kWh | 86.01kWh | 100.35kWh | 114.68kWh |
| Rated energy | 64.51kWh | 77.41kWh | 90.31kWh | 103.21kWh |
| Max output power*1 | 35kW | 43kW | 50kW | 57kW |
| Peak output power | 49kW,60s | 60.2kW,60s | 70kW,60s | 79.8kW,60s |
| Dimension (W*D*H)/column*2 | 920/ 510/1708mm/1 | 920/510/1956mm/1 | 920/510/1212mm/2 | 920/510/1460mm/2 |
| Weight | 748kg | 883kg | 1037kg | 1172kg |
| Compatible inverter | WIT 50-100kW/400V series inverter | | | |
| Nominal voltage | 768V | | | |
| Operating voltage range | 650V~945V | | | |
| Output full load voltage range | 720V~880V | | | |
| Nominal capacity | 280Ah(@25°C) | | | |
| Rated capacity | 252Ah(@25°C) | | | |
| Battery type | Cobalt Free Lithium Iron Phosphate (LFP) | | | |
| Ingress protection | IP66 | | | |
| Installation*3 | Floor installation | | | |
| DoD | 90% | | | |
| Operating ambient temperature | -10°C~50°C | | | |
| Relative humidity | 5% ~ 95% | | | |
| Cooling | Smart air cooling | | | |
| Altitude | ≤4000m | | | |
| Warranty | 10 years | | | |
| Power Module | APX 100083-P1-EU | | | |
| Dimension(W/D/H) | 920/510/353mm | | | |
| Weight | 55kg | | | |
| Communication port | CAN | | | |
| Operating voltage range | 250V~950V | | | |
| Max. continuous current | 83A | | | |
| Peak current | 116A,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 | | | |
| Rated power | 7.16kW | | | |
| Max. continuous current | 140A | | | |
| Peak current | 196A,60s | | | |
| Dimensions(W/D/H) | 920/510/248 mm | | | |
| Weight | 135kg | | | |
| 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 power module (APX 1000125-P1)

*3 Floor installation requires extrabase (W*D*H=920/510/110mm)

* 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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