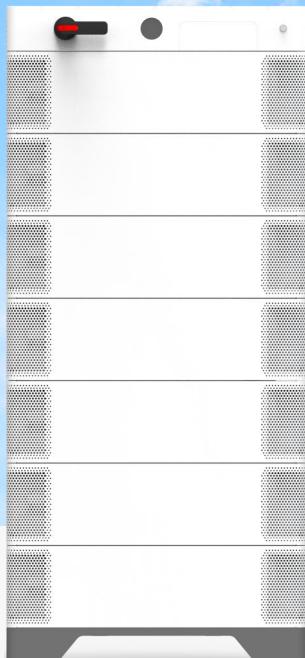


# APX 71-114kWh Battery System

- 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

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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 <sup>*1</sup>         | 35kW  | 43kW              | 50kW              | 57kW              |
| Peak output power                      | 49kW,60s  | 60.2kW,60s        | 70kW,60s          | 79.8kW,60s        |
| Dimension (W/H/D)/column <sup>*2</sup> | 920/1735/510mm /1   | 920/1983/510mm /1 | 920/1239/510mm /1 | 920/1239/510mm /1 |
| 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 <sup>*3</sup>             | Floor installation  |                   |                   |                   |
| DoD                                    | 90%   |                   |                   |                   |
| Operating ambient temperature          | -10°C~50°C  |                   |                   |                   |
| Relative humidity                      | 5% ~ 95%  |                   |                   |                   |
| Cooling                                | Smart air cooling   |                   |                   |                   |
| Altitude                               | ≤4000m  |                   |                   |                   |
| Warranty                               | 10 years  |                   |                   |                   |
| <b>Power Module</b>                    | <b>APX 100083-P1-EU</b>   |                   |                   |                   |
| Dimension(W/H/D)                       | 920/385/510mm   |                   |                   |                   |
| 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 |                   |                   |                   |
| <b>Battery Module</b>                  | <b>APX 14.3P-B1</b>   |                   |                   |                   |
| 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/H/D)                      | 920/248/510 mm  |                   |                   |                   |
| Weight                                 | 135kg   |                   |                   |                   |

IEC 62619(Cell&Pack), IEC 60529, IEC 60730, CE, UN 38.3, RoHS

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

\*2 Including power module (APX 100083-P1-EU)

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

\* APX series battery has EU models and American models, the storage inverters sold in European countries only work with EU model APX battery.

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

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