

# 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*1	35kW	43kW	50kW	57kW
Peak output power	49kW,60s	60.2kW,60s	70kW,60s	79.8kW,60s
Dimension (W/H/D)/column*2	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*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			
<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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