



# POWER PRO BK100 AIR

**STORAGE SYSTEMS ALL-IN ONE**

## KEY FEATURE

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Modular and compact system



Air-cooled BMS



Integrated BMU and EMS



Fire detection and suppression



Plug & play



## MODEL

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- 100 kWh - 50 kW

## SPECIFICATIONS

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**Modular configuration:** modular architecture that allows capacity and power to be tailored to project requirements, facilitating future expansion and more efficient maintenance.

**System efficiency > 91%:** comprehensive optimization of the energy conversion and management system, ensuring stable performance and minimal operational losses.

## CERTIFICATIONS

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IEC61000



IEC62477

MODEL	POWER PRO 100 AIR
Battery pack	
Cell type	LFP3.2V/280Ah
System configuration	1P112S
BOL nominal capacity	100 kWh 25°C, 0.5P
DC-side voltage range	302.4~ 408.8V
Rated grid-side power	50 kW
Maximum apparent power	50 kVA
Nominal frequency	50/60 Hz
Rated current	75 A
Maximum PCS conversion efficiency	98.5%
AC cabling	3W/N+PE
Maximum output efficiency in off-grid mode	55 kVA @ 60S
Grid-to-off-grid switching time	<20 ms
Three-phase imbalance in off-grid mode	16.6/16.6/16.6 or 16.6/0/0 (kW)
Operating temperature range	-30°C ~ 50°C Power derating when temperature is above 45°C)
Weight	<1100 kg
Thermal management mode	Air cooling
Fire safety configuration	Aerosol
Communication mode	Ethernet/4G/RS485
Corrosion resistance	C4
Operating humidity range	0-95% (non-condensing)
Dimensions (W × D × H)	1100*1050*1700 mm 1100*1220*1700 mm (with air conditioning)
Maximum operating altitude	2000 m