

## DATASHEET

## PrimePower-109kWh

Models	109kWh
<b>System</b>	
Rated energy capacity	109.7 kWh
Max. cycle rate	0.5 P
Usable energy capacity	98.7 kWh
Dimensions (W × H × D)	950 × 2070 × 1357 mm
Weight	1320 kg
Operating temperature range	-25 ~ +55°C
Storage temperature range	0 ~ 40°C
Operating humidity range	≤ 95% (non-condensing)
Max. operation altitude	4000 m
System temperature control mode	Industrial-grade air-conditioning (Cabinet); Natural cooling (Pack)
Fire suppression mode	Default: Aerosol, Explosion relief valve, Fire water inlet Optional: Flammable gas detector, Explosion relief panel, Audible and visual alarm
Ingress protection	IP55
Anti-corrosion class	C4/C5 (Optional)
Noise (rated operating condition)	70 dB(A) @ 1 m
Lightning protection	Type II
Certification standards	IEC62619, IEC61000-6/2/4, IEC62040, IEC63056, IEC62477, UN38.3
<b>Battery</b>	
Cell type	LFP 3.2 V / 306 Ah
Cell cycle life <sup>①</sup>	10000
System battery configuration	1P112S
Rated voltage	358.4 V
Operating voltage range	313.6 ~ 403.2 V
Rated DC current	153 A
Number of battery packs	7
Battery pack capacity	15.67 kWh
Battery pack weight	102 kg

① This is provided by the battery cell manufacturer. Based on cell test condition of 25±2°C, 0.5P charge and discharge rate and SOH=70%.