

BESS

Power String 3.0



Technical Parameter

Battery Parameters (DC side)

Battery type	LFP 3.2V/314Ah
Rated energy @BOL	3.134MWh
Module configuration	1P260S*72
DC cabinet capacity @BOL	261kWh*72
Rated voltage	DC 832V
Battery voltage range	DC 728V~936V
Balancing method	Active balancing
Rated output power	1500kW

Grid Connection Parameters (AC side)

AC Connection	(3W + N) three-phase four-wire system
Rated AC output frequency	50/60Hz
Total harmonic distortion (THDI)	≤2% (at rated power)
Power factor	0.99
Rated AC output voltage	400V (-15%~+15%)

System Parameters

Dimensions (W*H*D)	6058*2896*2438 mm
Approx. weight	~30t
Operational Modes	Grid-connected/Off-grid Support
Max. charge/discharge rate	≤0.5C
Max. round-trip efficiency	≥90%
Enclosure rating	1P55
Corrosion Protection Class	C4 (C5 Optional)
Operating temperature range	-30~+50°C (>45°C derating)
Operating humidity range	0~95% (No condensation)
Max. operating altitude	3000m (>2000m derating)
Cooling method	Liquid cooling (Water-Glycol medium)
Fire suppression system	Multi-layer: Combustible gas, smoke & temperature detection; Ventilation; Aerosol (Pack & Cabinet level) + Water-based fire extinguishing
Communication protocols	MODBUS-TCP / CAN / RS485
Certificates	IEC 62619, IEC 62477, IEC 61000, EN 50549-1, UN38.3