125kWh-261kWh BESS AC Coupled



Manufactured by Gotion BESS - India Market developement by L&T EPS

125 kW	261 kWh	> 91%	< 75 dB
RATED POWER	BATTERY CAPACITY	SYSTEM RTE	NOISE

BATTERY

Model	X-261
Cell type	LFP 3.2 V / 314 Ah (Gotion's own cell)
Battery capacity	261 kWh (100% DoD)
Nominal voltage	832 V
Nominal voltage range	728 V – 936 V (95% DoD: single-cell voltage range 2.8 – 3.6 V)

AC SIDE PARAMETERS

Rated power	125 kW
Charge / discharge rate (P)	0.5 (PCS power can be derated to make 4 h system)
Current harmonics	< 3% (rated power)
DC component of current	< 0.5%
Rated grid voltage	400 V (-15% to +15%)
Rated output current	180 A
Power factor	> 0.99 (rated power)
Rated grid frequency	50 Hz / 60 Hz
Grid frequency range	50 Hz / 60 Hz ± 2.5 Hz

SYSTEM PARAMETERS

PARAMETER	SPECIFICATION
Protection level (IP rating)	IP55
Anti-corrosion level	Cabinet enclosure C4M
Operating temperature	-30°C to +50°C
Operating humidity	≤95%
Maximum operating altitude	< 2000 m
Fire suppression system	Aerosol FSS, explosion venting
Communication interface	RS485, 2 × Ethernet UTP ports, RS232 optional
System communication protocol	Modbus / MQTT
Noise	< 75 dB

STANDARDS & CERTIFICATIONS

PARAMETER	SPECIFICATION
Standards & certifications	IEC 62477, IEC 61000, IEC 63056, IEC 62619, IEC 60730, UN3480, GB/T 36276, UL9540A

SYSTEM DIMENSIONS & WEIGHT

PARAMETER	SPECIFICATION
Dimensions (W × D × H)	1120 × 1350 × (2450 ± 5) mm
Weight	2.6 t