

C&I ENERGY STORAGE SYSTEM

AI-Powered Battery Safety Detection and Customer Service



High Safety Standards

verified by over 300+ safety tests, ensuring no explosion, no open flame, and no fire spread.



Superior Economic Efficiency

Achieves system RTE >88% by optimizing cell efficiency, utilizing advanced BMS and PCS



Increased Lifetime Revenue

Technological innovations and efficient management increase lifetime operating revenue by >2% through AI-driven strategy optimization



Reliable Full-Lifecycle Protection

Advanced liquid cooling minimize cell temperature differences, extending battery lifespan and ensuring stable

DATASHEET

Model		PMU-A125K-261L-U
Battery Parameters		
Cell technology	LFP-3.2 V / 314 Ah	
Battery pack (Wh/V)	52.25 kWh, 166.4 V	
Number of packs	5	
Battery pack protection level	IP67	
Rated capacity	261.25 kWh	
Rated voltage	832 V	
Rated current	157 A	
Voltage range	728 V ~ 936 V	
Charge / discharge rate	0.5 P	
AC Side Parameters		
Rated power	125 kW	
Rated voltage	480 V±15%	
Rated frequency	50 Hz / 60 Hz	
Rated output current	180 A	
Power factor	-1 ~ 1	
Charge/discharge switching time	< 100 ms	
PCS maximum efficiency	98.5%	
Overload capacity	110% (long-term), 120% (1 min)	
Other Parameters		
Dimension (W×D×H)	1,000×1,420×2,250 mm	
	39.37×55.91×88.58 inch	
Weight	2,700 kg (5,952.5 lb)	
IP Rating	IP55	
Cooling method	Liquid cooling (PCS) + Liquid cooling (Battery)	
FFS	Aerosol + combustible gas detection and exhaust	
Standard Compliance		
PCS inverter certifications	IEEE 1547, UL1741 SB, CSA C22.2 No. 107.1-16	
Battery compliance	UN 38.3, UL 1973, UL 9540A, UL 9540, NFPA 69	

SYSTEM DIAGRAM

