

# 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 |
|---------------------------------|---|------------------|
| <b>Battery Parameters</b>       |   |                  |
| 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   |                  |
| <b>AC Side Parameters</b>       |   |                  |
| 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 )                 |                  |
| <b>Other Parameters</b>         |   |                  |
| 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 |                  |
| <b>Standard Compliance</b>      |   |                  |
| PCS inverter certifications     | IEEE 1547, UL1741 SB, CSA C22.2 No. 1071-16     |                  |
| Battery compliance              | UN 38.3, UL 1973, UL 9540A, UL 9540, NFPA 69    |                  |

## SYSTEM DIAGRAM

