

# C&I ESS with Liquid Cooling

215KWh

Fully integrated, pre-configured commercial and industrial energy storage system saves time on-site installation.

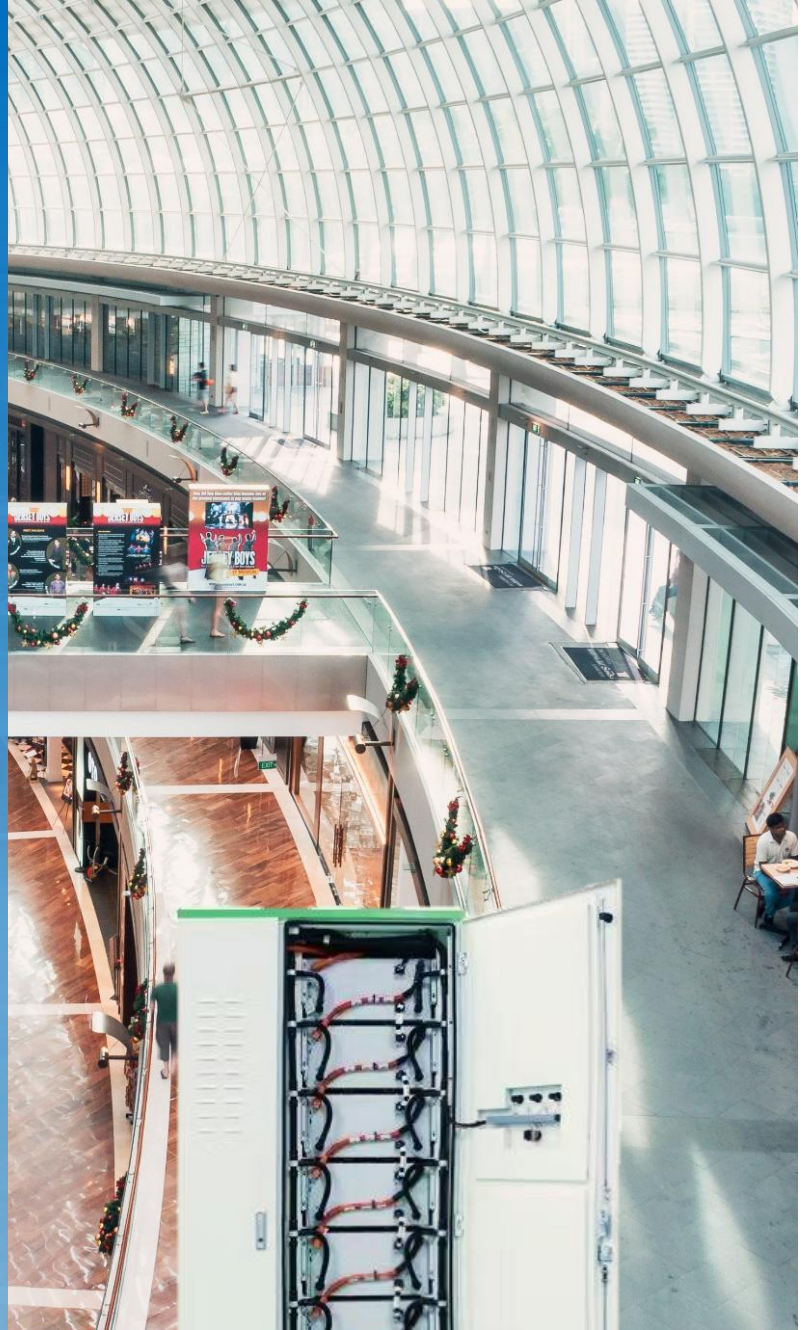
The system includes inverter, battery tray, rack, BMS, microgrid controller, HVAC, fire suppression, and outdoor enclosure.

The unique liquid cooling system optimizes battery cooling performance by a factor of 3 to extend battery life.

The heptafluoropropane fire extinguishing system is installed in each box, which is safer and more efficient.

Integration with solar, wind, genset and other energy sources.

The system supports remote operation and maintenance.



Direct contact liquid cooling system:  
 $\leq 3^{\circ}\text{C}$  temperature difference  
between battery cells



Enables independent, stable power  
supply when combined with PV  
system



Compact design, highly integrated



Enhanced data management  
through data synchronized with EMS

## Technical Indicator

| Model                       | A22-215KFAA                                   |
|-----------------------------|---|
| Cell                        | LFP   |
| Nominal Energy              | 215KWh  |
| Nominal Voltage             | 768V  |
| Capacity per Cluster        | 280Ah   |
| Amount of Cluster           | 1 cluster                                     |
| Operating Voltage Range     | 680V~840V                                     |
| AC Output                   |   |
| AC Rated Power              | 30KW/50KW/100KW                               |
| Rated Voltage               | AC400V,3P4W+PE                                |
| Rated Frequency             | 50Hz /60Hz                                    |
| Maximum Output Current      | 270A  |
| Power Factor                | 1lagging-1leading                             |
| Maximum Harmonic Current    | <3%(Rated output power)                       |
| Insulation Method           | No insulation transformer required            |
| General parameter           |   |
| Dimensions (L*W*Hmm)        | 1280*1000*2400                                |
| Weight                      | 2400kg  |
| IP Grade                    | IP54  |
| Operating Temperature Range | -20°C~ 55°C                                   |
| Operating Altitude          | <3000m  |
| Cooling                     | Liquid cooling                                |
| Noise                       | <75dB   |
| Fire Fighting System        | Aerosols/Perfluorohexanone/Heptafluoropropane |
| Communication               | Ethernet, Modbus TCP/IP                       |
| Certification               | IEC 62933, IEC62619, GB_T36558                |