



# Pilot 100kW/232kWh Integrated Liquid-Cooling ESS

Pilot Integrated ESS is highly combined with LFP battery system, BMS, PCS, EMS, liquid cooling system, fire protection system, power distribution and other equipment inside the cabinet. Provide economic, safe, intelligent, and convenient electricity solutions for industrial and commercial users.

## Product advantages



Economically efficient – system efficiency up to 90%.



Safe and reliable – multiple security protection systems.



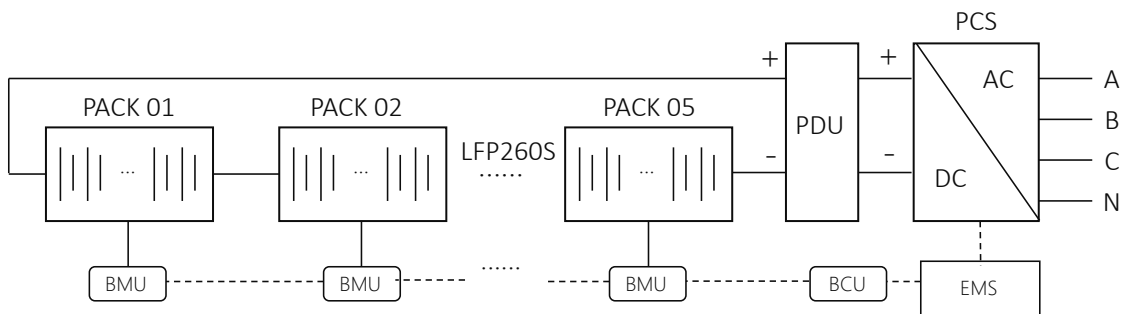
Intelligent management –10% increase in battery utilization.



Highly convenient – Capex reduced by 2%.



## System diagram





## Technical Parameter

| System parameter                 |  |
|----------------------------------|--|
| Type                             | 100kW/232kWh Integrated Liquid-Cooling ESS |
| Dimensions ( W*D*H )             | 1300mm*1376mm*2092mm                       |
| Weight                           | ≤2800kg                                    |
| IP level                         | IP54 ( Outdoor )                           |
| Ambient temperature              | -20℃~50℃                                   |
| Noise                            | ≤60dB                                      |
| Altitude                         | ≤3000m                                     |
| Fire-fighting system             | Perfluorohexanone                          |
| Communication                    | RS485/CAN2.0/Ethernet                      |
| AC parameter                     |  |
| Rated voltage                    | AC400V,3L+N+PE                             |
| Rated power                      | 100kW                                      |
| Grid voltage range               | 380V(-20% ~ +15%)                          |
| Rated current                    | 145A                                       |
| Grid frequency range             | 50Hz/60Hz ± 2.5Hz                          |
| Charge/discharge conversion time | <100ms                                     |
| Power factor                     | -0.99 ~ +0.99                              |
| Battery parameter                |  |
| Battery type                     | LFP 3.2V/280Ah                             |
| Module model                     | 1P52S                                      |
| Composition                      | 1P*52S*5S                                  |
| Rated energy                     | 232kWh                                     |
| Nominal voltage                  | 832V                                       |
| Voltage range                    | 741V~949V                                  |
| Certification standards          | GB/T,UL,IEC,MSDS,UN38.3                    |