

# CPS ES-5015kWh

## Battery Energy Storage System



### Key Features

- Fully integrated system with minimum on-site installation and commission efforts
- High energy density: 5 MWh in one 20ft container Multiple-point electrical linkage measures
- Easy to expand with CPS’s modular and string design
- Integrated fast-acting fault protection
- Comprehensive fire prevention design to ensure system safety
- Smart cooling control to improve battery performance and lifecycle

| Model Name                                                                                                                                      | CPS ES-5015kWh                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Battery Parameter                                                                                                                               |                                                                                                                                              |
| Battery Capacity                                                                                                                                | 5015.96kWh                                                                                                                                   |
| Battery Cell                                                                                                                                    | 314Ah                                                                                                                                        |
| Pack Configuration                                                                                                                              | 1P52S                                                                                                                                        |
| Battery Configuration                                                                                                                           | 12 x 1P416S                                                                                                                                  |
| Rate Voltage                                                                                                                                    | 1331.2V                                                                                                                                      |
| Operating Voltage Range                                                                                                                         | 1164~1497V                                                                                                                                   |
| Maximum Power                                                                                                                                   | 2508kW                                                                                                                                       |
| System Parameter                                                                                                                                |                                                                                                                                              |
| Protection Degree                                                                                                                               | IP55                                                                                                                                         |
| Cooling Method                                                                                                                                  | Liquid Cooling                                                                                                                               |
| Operation Temperature                                                                                                                           | -25℃ to +55℃ (derating from +45℃ )                                                                                                           |
| Operating Humidity                                                                                                                              | 0-95%, non-condensing                                                                                                                        |
| Operating Altitude                                                                                                                              | ≤ 2000m                                                                                                                                      |
| Dimensions (WxHxD)                                                                                                                              | 6058 x 2896 x 2438mm                                                                                                                         |
| Weight                                                                                                                                          | 41.8T                                                                                                                                        |
| Communication                                                                                                                                   | RS485/Ethernet / CAN                                                                                                                         |
| Protocol                                                                                                                                        | Modbus RTU / Modbus TCP / CAN                                                                                                                |
| Auxiliary Power Input                                                                                                                           | 3P+N 400Vac / 50kVA                                                                                                                          |
| Safety                                                                                                                                          |                                                                                                                                              |
| Compliance                                                                                                                                      | IEC 62619 / IEC 63056 / IEC 62477 / IEC 61000 / IEC 60730 / UL1973 / UL9540A / UL 9540 / FCC / IEC 62620 / NFPA 68 / NFPA 69 / IEC 62933-5-2 |
| * Product specifications and dimensions may be updated based on the latest information provided and are subject to change without prior notice. |                                                                                                                                              |