

# CPS ES-1.6MW/3.34MWh

## All In One Liquid Cooling Energy Storage System



### Key Features

- All in one design, without on-site installation and commissioning
- 6 battery racks, modular PCS etc. are integrated in a 20ft container
- Rack-level management allows the racks to run independently, eliminating the mismatch between parallel racks
- Old and new batteries can be mixed
- Modular design, minimizing the impact of faults and O&M cost, easy to expand
- Intelligent liquid-cooling system, ensures longer battery cycle life

| Model Name                                                                                                                                      | CPS ES-0.8MW/3.34MWh                                                                                                                                                                                                                                                                                                         | CPS ES-1.2MW/2.5MWh | CPS ES-1.6MW/3.34MWh |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|
| DC Parameter                                                                                                                                    |                                                                                                                                                                                                                                                                                                                              |                     |                      |
| Rated Voltage                                                                                                                                   | 1331.2Vdc                                                                                                                                                                                                                                                                                                                    |                     |                      |
| Battery Voltage Range                                                                                                                           | 1164.8~1497.6Vdc                                                                                                                                                                                                                                                                                                             |                     |                      |
| Nominal Battery Energy                                                                                                                          | 3344kWh                                                                                                                                                                                                                                                                                                                      | 2508kWh             | 3344kWh              |
| AC Parameter                                                                                                                                    |                                                                                                                                                                                                                                                                                                                              |                     |                      |
| Rated AC Output Power                                                                                                                           | 800kW                                                                                                                                                                                                                                                                                                                        | 1200kW              | 1600kW               |
| Rated AC Output Voltage                                                                                                                         | 800V                                                                                                                                                                                                                                                                                                                         |                     |                      |
| Output Voltage Range                                                                                                                            | 704V~880V                                                                                                                                                                                                                                                                                                                    |                     |                      |
| Grid Frequency                                                                                                                                  | 50Hz                                                                                                                                                                                                                                                                                                                         |                     |                      |
| Grid Frequency Range                                                                                                                            | 45~55Hz                                                                                                                                                                                                                                                                                                                      |                     |                      |
| System Parameter                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                     |                      |
| Protection Degree                                                                                                                               | IP54                                                                                                                                                                                                                                                                                                                         |                     |                      |
| Cooling Method                                                                                                                                  | PCS: Air Cooling, Batteries: Liquid Cooling                                                                                                                                                                                                                                                                                  |                     |                      |
| Operation Temperature                                                                                                                           | -25°C to +55°C (derating from +45°C )                                                                                                                                                                                                                                                                                        |                     |                      |
| Operating Humidity                                                                                                                              | 0-95%, non-condensing                                                                                                                                                                                                                                                                                                        |                     |                      |
| Operating Altitude                                                                                                                              | 3000m (>2000m derating)                                                                                                                                                                                                                                                                                                      |                     |                      |
| Dimensions (WxHxD)                                                                                                                              | 6058 x 2896 x 2438mm                                                                                                                                                                                                                                                                                                         |                     |                      |
| Weight(T)                                                                                                                                       | 32T                                                                                                                                                                                                                                                                                                                          | 25T                 | 33T                  |
| Display and Communication                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                      |
| Communication                                                                                                                                   | Ethernet/CAN/RS485                                                                                                                                                                                                                                                                                                           |                     |                      |
| Safety                                                                                                                                          |                                                                                                                                                                                                                                                                                                                              |                     |                      |
| Compliance                                                                                                                                      | Battery: IEC 62619 / IEC 63056 / IEC 62477 / IEC 61000 / IEC 60730 / UL1973 / UL9540A / UL 9540 / FCC / IEC 62620 / CEI 0-16<br>PCS: IEC 62920 / IEC 62477 / IEC 61000 / IEC 62109 / IEC 60068 / EN 50549 / UNE 217001&217002 / NTS 2.1 / AS/ NZS 4777.2 / VDE 4110&4120&4130 / TOR TYPE A&B / TR3.3.1 / UL 1741 / IEEE 1547 |                     |                      |
| * Product specifications and dimensions may be updated based on the latest information provided and are subject to change without prior notice. |                                                                                                                                                                                                                                                                                                                              |                     |                      |

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