

## C&IESS Series—

### High Voltage Lithium Ion Battery Energy Storage System

## Application Scenarios



### ● Safety & Reliability

- ◆ Air conditioner in cabinet, fans & fire extinguishing device in battery module
- ◆ LiFePO4 battery with higher safety & longer lifetime

- ◆ Three-layer architecture built in BMU+RBMS+SBMS for multiple protection

### ● Convenience

- ◆ Standard 19 inch rack design for easy installation and maintenance
- ◆ Supporting USB upgrade software

- ◆ Touchable screen design for choosing different communication protocol

### ● Flexibility

- ◆ Standard modular design with 5.12kWh per battery modules
- ◆ Flexible design from 4~14 battery modules in series

- ◆ Flexible capacity & power scalability with up to 8 clusters in parallel

## RPCI-HVC4



|                               |                                  |               |
|-------------------------------|----------------------------------|---------------|
| Module Energy                 | 5.12 kWh                         |               |
| Module Nominal Voltage        | 51.2V                            |               |
| Module Capacity               | 100A                             |               |
| Battery Module Qty lin Series | 12                               | 14            |
| System Nominal Voltage(V)     | 614.4V                           | 716.8V        |
| Charge Voltage(V)             | 662.4V~691.2V                    | 772.8V~806.4V |
| Cut-Off Discharge Voltage(V)  | 537.6V                           | 627.2V        |
| Float Charge Voltage(V)       | 652.8V                           | 761.6V        |
| System Energy                 | 61.44kWh                         | 71.68kWh      |
| Recommend Depth of Discharge  | 80%                              |               |
| Storage Temperature           | 0~45℃                            |               |
| Communication Port            | CAN/RS485                        |               |
| Status Indicator              | RUN-Green Light; Alarm-Red Light |               |
| P Rating of Enclosure         | IP20                             |               |
| Dimension(W/D/H, mm)          | 1100*600*1600                    | 1100*600*1600 |
| Installation Location         | Rack/Cabinet, Indoor             |               |
| Cycle Life                    | ≥4000 cycles at 0.5C/0.5C, 25℃   |               |
| Warranty                      | 5 years                          |               |
| Certification                 | IEC62619, UN38.3, MSDS           |               |