

# Outdoor Distributed Energy Storage

## Cube 225

- Unlimited grid-connected expansion, support <10ms seamless switching
- Battery management system and comprehensive thermal management
- Fault classification protection mechanism
- Charge and discharge cycles  $\geq 7000$  times



| Model                     | CX-100/225-FP-Y                       |
|---------------------------|---------------------------------------|
| <b>PV (DC)</b>            |                                       |
| Max. PV input power       | 110kW                                 |
| PV input voltage rate     | 312~850V                              |
| MPPT                      | 4                                     |
| <b>Battery (DC)</b>       |                                       |
| Rated battery energy      | 225kWh                                |
| Rated system voltage      | 716.8V                                |
| Battery type              | LFP                                   |
| Battery capacity          | 314Ah                                 |
| Series of battery         | 1P*32S*7S                             |
| <b>AC Output</b>          |                                       |
| Rated AC power            | 100kW                                 |
| Rated AC current          | 144A                                  |
| Rated AC voltage          | 400V, 3P+N+PE, 50/ 60Hz               |
| THDi                      | <3% (rated power)                     |
| PF                        | -1 leading to+1 lagging               |
| <b>General Parameters</b> |                                       |
| Protection level          | IP55                                  |
| Operating temperature     | -25~60°C (Derating above 45°C)        |
| Altitude                  | 3000m (>3000m derating)               |
| Communication             | RS485/ CAN 2.0/ Ethernet/ dry contact |
| Dimension (W*D*H)mm       | 1637*1200*2300                        |
| Fire extinguishing system | Aerosol                               |
| Cooling Method            | Air conditioning cooling              |
| Weight (approx.)          | 3250kg                                |