

C&I Energy Storage System

S³-EStore Series

Safe

- Cell status fully monitoring & multi-level fire protection
- PCS and battery IP6X protection
- Online insulation detection & Accurate positioning protection

Simple

- All-in-one design, high power density, only take up 1.3m²
- Flexible transportation & fast installation
- Free combination & flexible expansion

Smart

- Multi-mode operation & health status detection
- Refined thermal management, temperature difference within system $\leq 3^{\circ}$
- Health status recognition, Improve O&M efficiency



Technical Specification

| Items | EStore 100K-B215 |
|------------------------------|---|
| DC parameter | |
| Cell type/capacity | LiFePO4 3.2V/280Ah |
| Battery pack energy capacity | 43kWh |
| Battery IP rating | IP67 |
| System battery configuration | 1P240S |
| DC protection | FUSE |
| System energy capacity | 215kWh |
| System battery rated voltage | 768Vdc |
| System battery voltage range | 600-876Vdc |
| P rate | ≤0.5P |
| Depth of discharge | 0-95% |
| Cooling type | Liquid cooling |
| AC parameter | |
| Rated AC power | 100kW |
| Rated AC voltage | 400Vac 3P3W+PE |
| AC voltage range | -15%-10%(settable) |
| Nominal grid frequency | 50/60Hz |
| Nominal grid frequency range | 45-55Hz/55-65Hz |
| THDi (on-grid) | <3% (at rated power) |
| THDu (off-grid) | <3% (liner load) |
| DC component | <0.5% |
| IP rating | IP66 (Modular PCS) |
| Cooling type | Intelligent air cooling |
| General | |
| Max. efficiency | 90% |
| Dimension (W*H*D) | 1000×2250×1300mm |
| Weight | 2100kg |
| IP rating | IP54 |
| Anti-corrision grade | C3 (C5 optional) |
| Relative humidity | 0 - 95 % (no-condensing) |
| Operating temperature range | -25°C~60°C |
| Altitude | 3000m (>2000m derating) |
| Anti-explosion type | Anti-explosion valve |
| Fire distinguish equipment | Gas aerosol, Flammable gas detector (optional) |
| Communication interface | Ethernet/CAN/RS485 |
| Communication protocol | Modbus TCP |
| Compliance | IEC62619, IEC62477, UN38.3, VDE-AR-N 4105, VDE-AR-N 4110, EN 50549-1, NCRFG |

- Specification indexes may be subject to changes without further notice.

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