# S³-EStore C&I Energy Storage System

## ESI241-100K-M

## ESI215-100K-M

### Secure Reliable

- Battery cell status monitoring & level 3 fireproof and explosion-proof protection PCS and battery IP6X protection
- Full-stack hardware and software and software self-R&D, ensuring security and reliability

### Excellent Performance

- AI health management extends battery lifespan
- Online insulation detection & accurate positioning protection

### Grid Friendly

- Flexibly expansion, compatible with 100kW to 1MW, saving later retrofit cost
- Up to five units parallel connection in off-grid mode

### Intelligent O&M

- High power density, only take up 1.3m$^2$
- Rack-mounted design, easy for maintenance
- One-click upgrade, hassle-free device maintenance




## Technical Specification

| Items | ESI241-100K-M | ESI215-100K-M |
|---|---|---|
| **DC parameter** | | |
| Cell type/capacity | LiFePO4 3.2V/314Ah | LiFePO4 3.2V/280Ah |
| System battery configuration | 1P240S | |
| DC protection | FUSE | |
| System energy capacity | 241kWh | 215kWh |
| System battery voltage range | 600-876Vdc | |
| Prate | ≤0.5P | |
| Depth of discharge | 0-95% | |
| Battery pack IP rating | IP67 | |
| 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% (linear load) | |
| DC component | <0.5% | |
| IP rating | IP66 (modular PCS) | |
| Cooling type | Intelligent air cooling | |
| **General data** | | |
| Max. efficiency | 90.2% | |
| Dimension (W*H*D) | 1000×2340×1300mm | |
| Weight | 2400kg | 2300kg |
| IP rating | IP54 | |
| Anti-corrsion grade | C3 (C5 optional) | |
| Relative humidity | 0~100% (no-condensing) | |
| Operating temperature range | -35°C~55°C | |
| Altitude | 3000m (>2000m derating) | |
| Anti-explosion type | Anti-explosion valve | |
| Fire distinguish equipment | Gas aerosol | |
| Communication interface | Ethernet/CAN/RS485 | |
| Communication protocal | Modbus TCP | |

- Due to the multi-supplier for some key components, the actual weight may have a +5% deviation, please refer to the actual delivered product.
- Specification indexes may be subject to changes without further notice.