

# S<sup>3</sup>-EStore C&I Energy Storage System

## ESI215-100K-M



### Safe

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



### Smart

- Multi-mode operation & health status detection
- Refined thermal management, temperature difference within system  $\leq 3^{\circ}$
- Health status recognition, Improve O&M efficiency
- Intelligent local power controlling algorithm, making full use of system energy



### Simple

- High power density, only take up 1.3m<sup>2</sup>
- Flexible transportation & fast installation
- Free combination & flexible expansion



# Technical Specification

Items	ESI215-100K-M
<b>DC parameter</b>	
Cell type/capacity	LiFePO4 3.2V/280Ah
System battery configuration	1P240S
DC protection	FUSE
System energy capacity	215kWh
System battery voltage range	600-876Vdc
P rate	≤0.5P
Depth of discharge	0-95%
Battery pack IP rating	IP67
Cooling type	Liquid cooling
<b>AC parameter</b>	
Rated AC power	100kW
Rated AC voltage	400Vac 3P3W+PE
AC voltage range	-15%-10%(settable)
Nominal grid frequency	50Hz
Nominal grid frequency range	45-55Hz
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
<b>General data</b>	
Max. efficiency	90%
Dimension (W*H*D)	1000×2340×1300mm
Weight	2300kg
IP rating	IP54
Anti-corrision 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 protocol	Modbus TCP
Compliance	IEC/EN 62477-1, EN IEC 61000-6-2/4, IEC 62619, EN 61000-3-12, EN IEC 61000-3-11, VDE-AR-N 4105, EN 50549-1, NC RFG

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

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