

Battery Energy Storage Systems (BESS) – Utility - ICE 215KW - 418 kWh



PRODUCT FEATURES



Comprehensive Safety

Proactive Alert Cell-level monitoring, early warning
Multi-Level Protection Pack, cluster, cabin isolation
Fire & Explosion Prevention Triple fire protection, vent design



High Efficiency

High Conversion System efficiency $\geq 87\%$
AI-Powered Scheduling Optimized energy dispatch
Maximized ROI Peak shaving & other revenue streams



Simple O&M

Cloud Diagnosis Fault identification in seconds
Remote Management Cloud monitoring & control
24/7 technical support Expert team always on watch



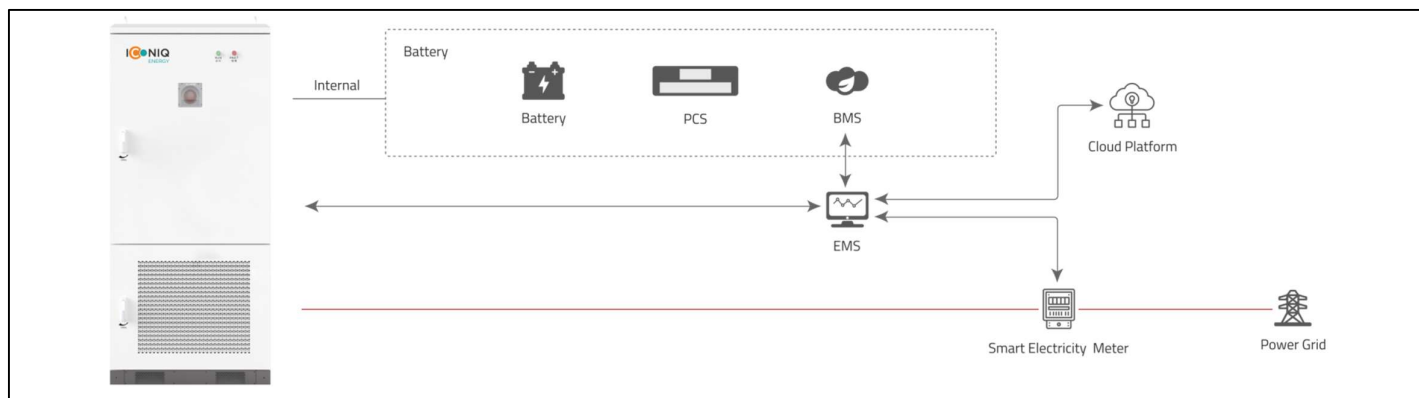
Easy Deployment

Plug & Play Pre-installed, powered on arrival
Time Saving Drastically reduces installation time
Scalable Design Modular expansion as needed

PRODUCT PARAMETERS

Cell type	Lithium Iron Phosphate 3.2V/314Ah	AC Rated Power	215 kW
Charge Discharge conversion time	<50 ms	Weight	3.8t
Battery Pack capacity and configuration	IP5s 5*8	Dimensions (L*D*H)	1420(W)x1350(D)x2350(H)mm
Total Battery Capacity	418 kWh	Operating temperature	-40°C ~ +60°C
Battery Voltage Range	1040 VDC - 1518.4 VDC	Protection level	IP66 (battery pack), IP54 (equipment compartment), IP66 (PCS)
Rated Output Voltage	690 / 800 Vac	Cooling concept	Intelligent Liquid Cooling
Rated Output Frequency	50~60Hz		

SYSTEM SCHEMATIC DIAGRAM



PRODUCT SPECIFICATIONS

Model	ICE 215KW – 418 kWh
DC side parameters	
Battery capacity	418 kWh
System Configuration	IP52S *8
Cell type	Lithium Iron Phosphate 3.2V /314Ah
Battery Voltage Range	1040 VDC ~1518.4 VDC
Pack protection level	IP66 (battery pack), IP54 (equipment compartment), PCS (IP66)
AC side parameters	
AC rated power	215 kW
Rated output voltage	690/800V
Grid Voltage deviation	-15%~+15%
Rated grid frequency	50Hz/60Hz
Charge Discharge conversion time	<50ms

(Contd)	
System Parameters	
Cycle count	8000-10000 cycle
Maximum system efficiency	Annual average exceeds 88%, with maximum exceeding 89%
Battery cell cooling method	Intelligent Liquid cooling
Operating temperature range	-40°C ~ +60°C
Operating humidity range	0%~100%RH
Corrosion resistance level	C4 (C5 customisable)
Protection level	IP66 (battery pack), IP54 (equipment compartment), PCS (IP66)
Fire Protection system	Pack level precision fire suppression + compartment-level fire suppression (aerosol) + water fire suppression
Overload capacity	1.1 times (grid connected)
Product dimensions (WxDxH)	1420 * 1350 * 2350 mm
Equipment Weight	3.8 t