

# Battery Energy Storage Systems (BESS) – Utility - ICE 125KW - 261 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 >=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



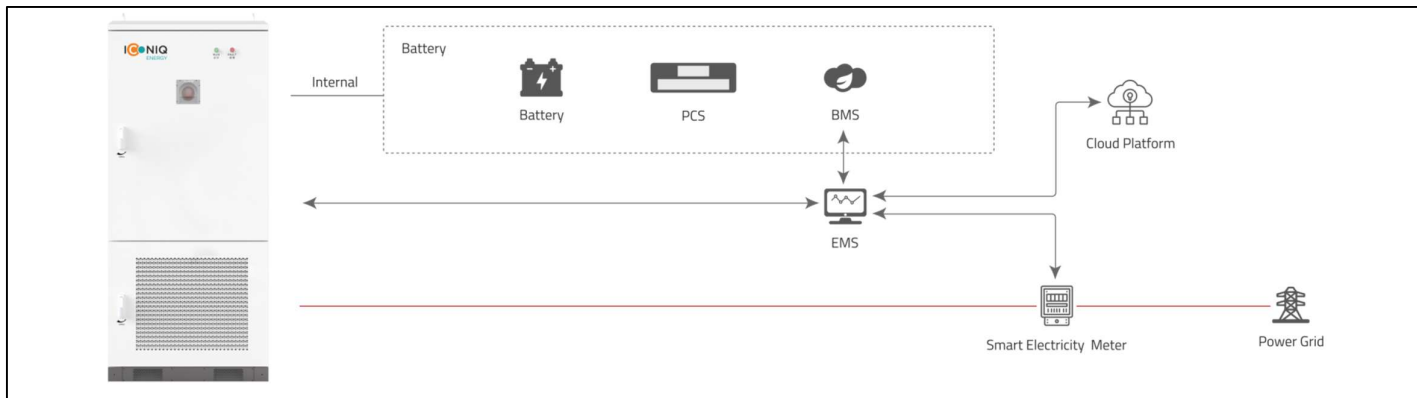
### Easy Deployment

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

## PRODUCT PARAMETERS

Cell type	LFP 280Ah
Battery Pack capacity and configuration	46.59kWh
Total Battery Capacity	232.96kWh
Rated output voltage	400V
AC rated power	105kW
Weight	2600kg
Dimensions (L*D*H)	1100(W)x1320(D)x2440(H)mm
Cooling concept	Liquid Cooling

## SYSTEM SCHEMATIC DIAGRAM



## PRODUCT SPECIFICATIONS

Model	ICE 125KW – 261 kWh
<b>DC side parameters</b>	
Battery capacity	261 kWh
System Configuration	IP52S
Battery Pack Configuration	52.25 kWh
Cell type	LFP 314 Ah
Battery Voltage Range	728 ~936V
Pack protection level	IP66
<b>AC side parameters</b>	
AC rated power	125 kW
Total current waveform distortion rate	≤3% (at rated power)
DC component of current	≤0.5% (at rated power)
Rated grid voltage	400V
Rated output voltage	400V
Grid Voltage deviation	-15%~+15%
AC overload capacity	1.1 times long-term
AC wiring method	3P+N+PE
Rated grid frequency	50Hz/60Hz±2.5Hz
Power Factor	0.99/-1~1
AC protection	Circuit breaker + AC lightning protection

(Contd)	
<b>System Parameters</b>	
Maximum system efficiency	87%
Battery cell cooling method	Liquid cooling
Remote Monitoring	Cloud Platform
Noise	≤75dB@1m
Communication Interface	Ethernet, RS485
Communication Protocol	MODBUS-TCP/ MODBUS-RTU
Maintenance method	Double sided maintenance
Installation location	Outdoor
Outlet method	Down in and out
Operating temperature range	-25°C~55°C
Maximum operating altitude	3000m
Operating humidity range	5%~95%RH, no condensation
Corrosion resistance level	C3-M (standard) / C4/ C5
Protection level	Battery compartment IP55 + electrical compartment IP54
Fire Protection system	Pack level aerosol + cabin-level aerosol + water fighting (optional)
Product dimensions (WxDxH)	1100 * 1320 * 2560 mm
Equipment Weight	2600 Kg
Certifications	GB/T 36276, UN38.3, IEC62619, IEC62477, IEC61000