



Areswatt New Energy

AW-ESS-LC261KWh



# Industrial and Commercial Energy Storage System

## Product features



### Flexible Configuration

Energy storage configuration can be flexibly grouped, and the energy storage cabinet can be configured according to different needs to adapt to different application scenarios.



### Reliable System

The system is more reliable, operates in multiple cabinets, and the automatic disconnection of independent individual cabinets does not affect the normal operation of other systems.



### Powerful Performance

Lithium battery PCS integrated internally, key equipment such as local controllers with high integration.



### Intelligent Management

Intelligent cloud telemetry control and management, remote sensing and remote control can be achieved.



### Simple Maintenance

Simplified operation and maintenance, modular management, easy maintenance and repair.



### Applicable to Multiple Scenarios

Support for grid-connected and off-grid operation, suitable for applications in multiple scenarios.



### Space Optimization

Convenient layout, smaller footprint for outdoor energy storage cabinets.



### Extended Lifespan

Integrated liquid cooling temperature control system to ensure battery life.



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## AW-ESS-LC261KWh

### Grid-connected AC Parameters

Nominal Power	125KW
Maximum Output Power	137.5KW
Nominal Grid Voltage	380Vac
Permitted Grid Voltage Range	340~460Vac
Nominal Grid Frequency	50Hz
Power Factor	-1 (Leading) -1 (Lagging)
THDI	<3% (Nominal Output Power)
Access Method	Three-phase Four-wire

### Off-grid Communication Parameters

Nominal Output Voltage	380Vac
Nominal Output Power	125KW
Nominal Output Frequency	50Hz
THDU	<3% (Linear Load)
Overload Capacity	1.1 times long-term(45°C), 1.2 times for 1min

### Battery Parameters

Battery System Capacity	261KWh
Battery Type	LFP 3.2V/314Ah
Battery System Configuration	1P260S
Nominal Voltage	DC832V
Battery Voltage Range	DC689~949V

### System Efficiency

Maximum Converter Efficiency	≥98.5%
Maximum System Efficiency	>88%
Charge and Discharge Rate	≤0.5C

### Protection

DC Input Protection	Yes
AC Converter Protection	Yes
AC Output Protection	Yes
Overvoltage Protection	DC Tipo II/AC Tipo I
Fire Protection System	Perfluoro + Water Spray

### General Parameters

Dimensions (L x W x H) (mm)	1400*1350*2350mm
Weight(t)	3.2t
Wire Connection	Down-in, down-out
Ambient Temperature	-20℃ -60℃
Relative Humidity	≤95%
Working Altitude	≤3000m(3000m downward conversion used)
Protection Level	IP54
Cooling Method	Liquid Cooling
Communication	CAN/MODBUS/IEC61850/IEC104