

# ENECELL COMMERCIAL ALL-IN-ONE ESS



## Features

### ·Highly integrated

· System productization integrates energy storage batteries, PCS and distribution, temperature control and fire protection, water-immersion door magnets, and monitoring communications, comprehensively controlling the system's operating status and risk.

### ·Flexible and efficient

· With patented technology that possesses virtual synchronous machine capabilities, it can achieve the free parallel operation of multiple units without communication lines over long distances, and has off-grid switching function.

### ·Excellent protection

· Patented outdoor cabinet protection design, optimized heat dissipation duct, and protection against sand, dust, and rain. The front and rear doors are easy to maintain, making it convenient for multiple sets of systems to be arranged side by side at the site, reducing the occupied area.

### ·Versatile functions

· Standardized structural design, menu-style function configuration, optional photovoltaic charging module and grid switch module for microgrids and other scenarios, components such as power frequency transformers, and integration of photovoltaic energy storage systems into one cabinet.

### ·Space-saving

· By using door-mounted embedded integrated air conditioning, the cabinet space is not occupied, which increases the usable space of the cabinet. The top structure is also more intact and has better waterproof effects.

### ·Intelligent management

· The local control panel can achieve diversified functions such as system operation monitoring, energy management strategy formulation, and remote equipment upgrading.

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## ENE-A3-ESS THREE PHASE

92.16kWh / 200kWh / 215kWh

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## PARAMETER

	50kW/92.16kWh	100kW/200kWh	100kW/215kWh
<b>Battery parameters</b>			
Rated energy storage capacity of the battery	92.16kWh	200kWh	215kWh
Rated voltage of the system	768V	716.8V	768V
Battery type	Lithium Iron Phosphate Battery (LFP)	Lithium Iron Phosphate Battery (LFP)	Lithium Iron Phosphate Battery (LFP)
Capacity of the battery cell	120Ah	280Ah	280Ah
Serial and parallel connection of battery modules	1P*14S*16S	1P*14S*16S	1P*20S*12S
<b>AC parameters</b>			
Rated AC power	50kW	100kW	100kW
Rated AC current	72A	144A	144A
Rated AC voltage		400V,3P+N+PE,50Hz	
Total Harmonic Distortion (THD) of current		<3%(Rated Power)	
Adjustable range of power factor		-1 Leading ~ +1 Lagging	
<b>General parameters</b>			
Protection level		IP54	
Isolation method		Non-Isolated (Optional Transformer)	
Operating temperature		-25~60°C (Rated power > 45°C)	
Altitude		3000m (Rated power>3000m)	
Communication interface		RS485/CAN2.0/Ethernet /Dry Contact	
Dimensions (W*D*H)	1850*1000*2300mm	1850*1000*2300mm	1800*1200*2300mm
Weight (including battery)	1750kg	2350kg	2400kg

\*Note: The above models are typical configurations. Photovoltaic charging modules, off-grid switching modes, power frequency transformers, and integrated photovoltaic energy storage system cabinets can also be selected for microgrid and other scenarios.

## BLOCK DIAGRAM

