

# High-Voltage All-in-One Residential ESS

## Product Display

### Automatic On-grid and Off-grid Operation

Seamless transition between grid-tied and off-grid modes



### High Security

PACK-level and cabinet-level fire protection



### Modular Scalability

Optional PCS power range (10~25kW)  
Battery modular expansion, flexible combination



### Flexible Combination

Flexible grid connection  
Multi-unit combination



### High Integration

All-in-one battery and inverter system with PCS and PV input



### Long Service Life

Low internal resistance  
Long cycle  
Stable discharge  
High battery consistency



## Product Specifications

Model	YDC-25kW/39kWh-H-F
System Parameters	
Dimensions(H*W*D)	1870x680x600mm
Weight	500kg
Protection Level	IP65
Maximum Output Power	AC25kW
Thermal Management Method	Air Cooling
Number of Packs per Unit	5
System Energy	39.168kWh
Maximum Number of Parallel Machines	10
Working Temperature	Discharge: -20°C-55°C; Charge: 0°C-55°C
Cell Technical Parameters	
Model	LFP 102Ah
Weight	1980±60g
Dimensions(H*W*D)	118.6*160.3*49.9mm
Battery Energy	326.4Wh
Rated Voltage	3.2V
Cycle Life	5000 cyc (70% SOH, 25°C)
Pack Parameters	
Model	YDC-102P8-F
Series-Parallel Connection	1P24S
Number of Packs per Unit	7.8336kWh

## ● Product Features

- Easy installation & flexible Layout
- Large Capacity & high Integration
- All-in-one battery and inverter unit
- The combination usage of single unit and multi-unit
- Independent & efficient O&M