

KAIXENTEC

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ODIN SERIES

Residential Energy Storage – Smart. Scalable. Resilient.

Energy
from 10.24kWh
to 30.72kWh



Rugged Protection for All Environments

- Rated IP65 for full protection against dust and water
- Optimized for both indoor and outdoor installation in residential settings

Efficient Performance & Battery Integrity

- Uses LiFePO₄ cells for maximum cycle life, thermal stability, and safety
- Integrated high-voltage BMS improves charge/discharge efficiency
- Over 6000 cycles at 90% DoD, designed for long-term residential use

Scalable High-Voltage Architecture

- 2 to 6 battery modules per cluster, expandable up to 8 systems in parallel
- Total energy range from 10.24 kWh to 240 kWh for high-power demand applications
- Stacked modular layout simplifies maintenance and installation

Smart Management & System Compatibility

- Compatible with leading hybrid and off-grid inverters
- Real-time monitoring and remote up grades via Kaixentec cloud platform
- Built-in protections: overcharge, overdischarge, overcurrent, active cell balancing

Odin Series Technical Parameters

Model	204V-50Ah	307V-50Ah	409V-50Ah	512V-50Ah	614V-50Ah
					
Number of battery modules	2 (min)	3	4	5	6 (max)
Nominal voltage	204.8 V	307.2 V	409.6 V	512 V	614.4 V
Manage battery capacity	50Ah				
Manage battery energy	10.24 kWh	15.36 kWh	20.48 kWh	25.60 kWh	30.72 kWh
Operation voltage range	185.6 V ~ 224 V	278.4 V ~ 336 V	371.2 V ~ 448 V	464 V ~ 560 V	556.8 V ~ 672 V
Max. charging current	50 A				
Max. discharging current	50 A				
Communication to inverter	CAN/ RS485				
APP	Support APP monitoring				
Protection rating	IP65				
Module dimension (W*D*H)	Battery module: 770*445*140 mm, Control box: 770*445*210 mm, Base: 770*445*80 mm				
Dimensions (W*H*D), mm	770*445*570	770*445*710	770*445*850	770*445*990	770*445*1130
Weight	140.5 kg	195.5 kg	250.5 kg	305.5 kg	360.5 kg
Parallel connection	Support Max. 8 in parallel				
Cycle life	≥ 6 000 Cycles @25°C @70%EOL @0.5C , 90% DOD				
Relative humidity	5% ~ 90%				
Cell type	Lithium-iron phosphate (LiFePO4)				
Operating temperature range	Charge: 0~50°C (32~122°F), Discharge: -10~55°C (14~131°F)				
Install altitude	≤ 4 000 m				
Design life	10 years				
Installation	Stack mounted				

* The actual product may differ slightly from the pictures.

* The specifications are subject to change without prior notice.