

Residential High-Voltage Stackable Battery

HTDESS-HP-E50/100/150/200



Product Features

Safe & Reliable

- A+ grade cells, compliant with automotive standards
- integrated fire suppression, active pressure relief protection
- IP65 protection rating, C4 salt spray corrosion resistance

Efficient & Durable

- Supports 35A fast charge/discharge
- LiFePO₄ cells, 6000+ charge/discharge cycles
- Optional PV module preheating for wide application scenarios

Convenient & Easy to Use

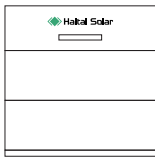
- Flat design for easy integration
- Quick-plug interface for simple installation
- Stackable design with flexible capacity options (5-20 kWh)

Intelligent Management

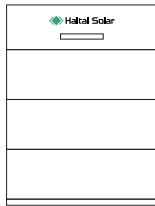
- Automotive-grade BMS for efficient energy management
- Scenario-based application for real-time energy data monitoring
- AI-driven cloud platform for 24/7 alerts and optimization



HTDESS HP-E50
5.3kWh



HTDESS HP-E100
10.6kWh



HTDESS HP-E150
15.9kWh



HTDESS HP-E200
21.2kWh

Specifications

Parameter	HTDESS HP-E50	HTDESS HP-E100	HTDESS HP-E150	HTDESS HP-E200
Battery System				
Total Battery Capacity	5.3kWh	10.6kWh	15.9kWh	21.2kWh
Usable Capacity	5.035kWh	10.07kWh	15.105kWh	20.14kWh
Nominal Voltage	102.4V	204.8V	307.2V	409.6V
Operating Voltage	86.4~115.2V	172.8~230.4V	259.2~345.6V	345.6~460.8V
Nominal Output Power	3.0kW	6.0kW	9.0kW	12.0kW
Cell Type	LiFePO ₄			
Max Charge/Discharge Current	35A			
SOC Indicator	4*LED (25%, 50%, 75%, 100%)			
Status Indicator	2*LED (Operating/Warning)			
Communication	CAN, RS485			
Operating Temperature	-10~+50° C (heating version: -20~+50° C)			
Protection Rating	IP65 (cell module IP67)			
Operating Humidity	5~95%RH			
Operating Altitude	<4,000m			
Depth of Discharge (DOD)	95 %			
Calendar Life	>6,000 cycles at 70% EOL			
Dimensions (W×H×D)	700×600×200mm	700×950×200mm	700×1300×200mm	700×1650×200mm
Weight	65kg	115kg	165kg	215kg
Alarm Function	Overcharge/overdischarge/overcurrent/overtemperature/short circuit			
Warranty Period	10 years			

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