

# Electres Home - EH51100LW

Reliable Energy Storage for Everyday Homes

Solar Self-Consumption • Backup Power • Load Shifting • Energy Independence



## Key Home Benefits



### Compact Design

Saves space, easy to handle



### Modular Design

Scalable up-to 16 units in parallel



### Safe & Reliable

In-built advanced safety protection



### Wide Compatibility

Compatible with leading inverter brands



### Bluetooth Enabled

Smart connectivity, wireless control



### Extended Backup

Longer runtime, greater peace of mind



### Easy Installation

Quick and hassle free setup



### Smart BMS

Intelligent battery management system



## Technical Specifications

Parameter	Description
<b>General Characteristics</b>	
Model Name	EH51100LW
Nominal Voltage	51.2V
Capacity	100Ah
Configuration	1P16S
Cell Type	Prismatic
Chemistry	LFP
<b>Electrical Characteristics</b>	
Maximum cut-off voltage	56.4V
Minimum cut-off voltage	45V
Charging Voltage	55.2V
Recommended charging current	30A
Maximum charging current	50A
Maximum discharge current	100A
Cycle Life (90% DOD @ 25°C ambient, 0.5C)	≥3500
<b>Others</b>	
Protection	Cell under voltage protection Cell over voltage Protection Over current protection Short circuit protection Temperature protection
Dimension (LxWxH)	515x195x543 mm
Weight (kg)	~54kgs
Installation type	Wall / Floor
Communication Type	RS485/ CAN
DC MCB	125A
Operating Altitude	≤4000m (Derating > 2000m)
Working Temperature (°C)	Charge: -5~50°C; Discharge: -20~50°C; Recommended: 15~35°C
Storage Temperature (°C)	25°C- 35°C

