

Residential Lithium Batteries

ELV-W 5.12~10.24kW

ELV-W series lithium battery packs are wall mounted residential lithium batteries designed entirely for residential ESS applications. With its high energy density and compact structure, light weight, and no pollution ELV-W Series lithium battery pack support bluetooth APP/ cloud platform monitor.



Flexible

- Parallel up to 16 units
- Wall mounted and floor mounted for ELV-W10.0 model

Smart

- LCD screen and Bluetooth app
- Intelligent BMS

Reliable

- High energy density, compact structure, light weight and no pollution
- More than 6000 cycles and timeless design from EnSmart

Technical Specifications

Model	ELV-W 5.0	ELV-W 10.0
Battery		
Battery Type	LifePO4	LifePO5
Nominal Voltage (V)	51.2 V	51.2 V
Nominal Capacity (KWH)	5.12 kWh	10.24 kWh
Usable Capacity (KWH)	4.6 kWh	9.2 kWh
Design Life	15 Years	15 Years
Physical		
Dimension (mm)	442x550x126	442x650x230
Weight (kg)	48	82
Electrical		
Cycle Life (0.2C, 25°C@80DOD)	> 6000 cycles	
Recommended Discharge Voltage (V)	45 V	
Recommended Charge Voltage (V)	56.5 V	
Recommended Charge/Discharge Current (A)	50 A	
Internal Resistance	< 80mΩ	
Self Discharge per Month	< 3%	
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, module temperature	
SOC	Intelligent algorithm	
Communication	CAN/RS-485/RS-232/Bluetooth/Dryport	
Environment		
Operating Temperature Range	-10°C to + 65°C	
Transport or Storage Temperature Range	-20°C to + 45°C	
Max Parallel	16 Pcs	
Case IP Rating	IP50	
Warranty		
Product Warranty	5 Years	
Performance Warranty	10 Years	
Certificate		
Certificate	CE, UN38.3	

Highlights



FLEXIBLE



INTELLIGENT



SAFE AND RELIABLE