

Wall-mounted Residential ESS



Safety

- LiFePO4 safe battery chemistry
- Smart built-in BMS and comprehensive hardware protection



Accuracy

- Dynamic SOC calibration



Compatibility

- Compatible with most mainstream inverters
- Compact furniture style, suitable for wall mounting that saves installation space



Expandability

- Support up to 6 PACKs in parallel connection



Durability

- 6,000 cycles at 95% DOD



Certificates

- CE, IEC62619, UN38.3, MSDS

► Technical Specifications

Model	DHLV-LFP-5000
Total Energy*	5.12kWh
Usable Energy(DC)*	4.86kwh
Voltage	44.8~57.6Vdc
Nominal Voltage	51.2Vdc
Rated Capacity	100Ah
Max. Charge Voltage	57.6Vdc
Nominal Discharging Current	80A(1P)1160A(2P)/160A(3P)/160A(4P)/160A(5P)/160A(6P)
Nominal Charging Current	50A(1P)1100A(2P)/150A(3P)/160A(4P)/160A(5P)/160A(6P)
Weight	47kg
Dimension(mm)(H*L*W)	640*420*161.5mm
Max.recommended DOD	95%
Operating Condition	Indoor
Operating Charge	0~55℃
Temperature Discharge	0~55℃
Standard Ambient Temperature Range	0~40℃
Storage Temperature Range	> 1 month 0~35℃/≤1 month -20~45℃
Humidity	5%~95%(RH)(No Condensation)
Over Voltage Category	II
Cooling Type	Natural cooling
Case Material	Metal
Installation	Wall-mounted or floor-standing
IP Rating	IP 20
Protective Class	I
Max. Connection Number	6P
Communication	CAN/RS485
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over-temperature
Certificates	CE,IEC62619,IEC61000-6-1,IEC61000-6-3,IEC62040,IEC63056,UN38.3,MSDS
Warranty	10 years (5 free warranty + 5 paid warranty)