

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)	