

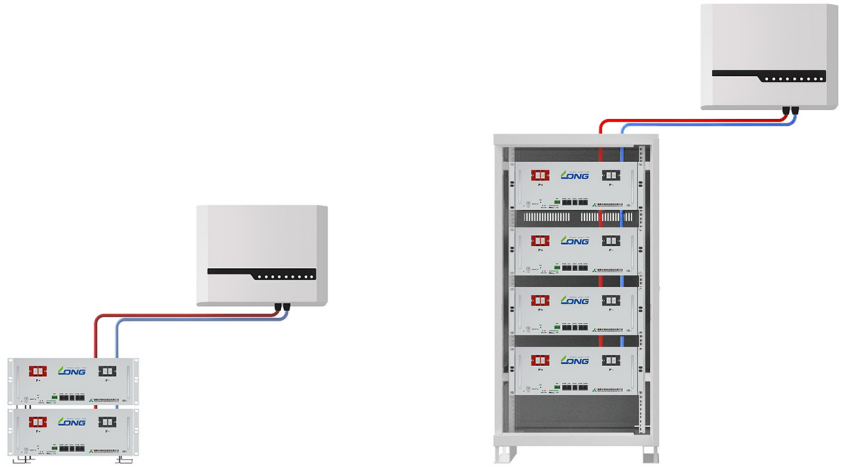
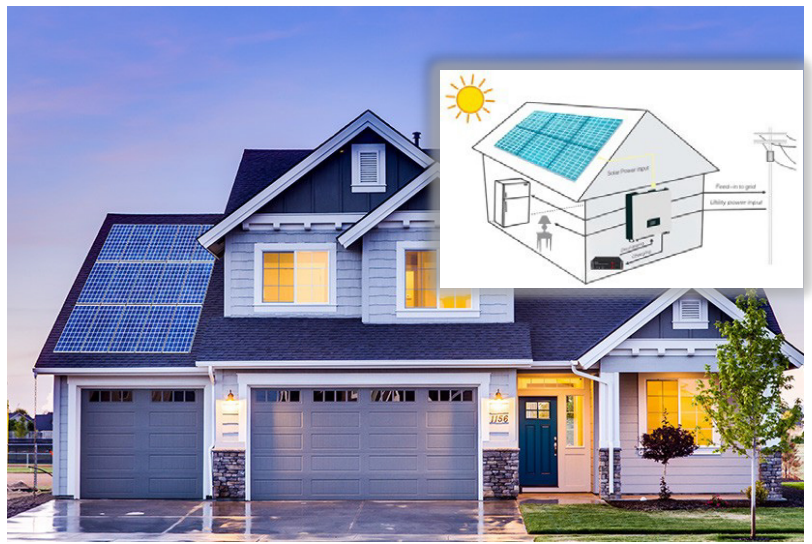


# K-FPS5000 RACK

## Home Energy Storage Solution

### Product Features

- ▶ Integrated Solutions
- ▶ 10kWh capacity available
- ▶ Support CAN and RS485 communication
- ▶ Parallel Connection is optional (up to 5P)
- ▶ Expandable battery capacity to cater for different level demand
- ▶ Stackable design, effortlessly installation



TYPE	K-FPS5000 RACK	K-FPS5000-2P RACK	K-FPS5000-3P RACK	K-FPS5000-4P RACK	K-FPS5000-5P RACK
Operating Nominal Voltage	43.2V-54V (1P 15S)				
Rated Capacity (Ah)	100Ah	200Ah-2P	300Ah-3P	400Ah-4P	500Ah-5P
Rated Energy (KWH)	5 KWH	10 KWH	15 KWH	20 KWH	25 KWH
Other Function	Cell equalizer; Current limiter				
Life Cycle	6000 cycles @80% DOD, 25°C, 0.5C				
Design life	10 years				
Max CH/DCH Current	95A / 100A				
Operation Temperature	Charge: 0 ~ 55°C				
Discharging Temperature	Discharge: -20 ~ 60°C				
Storage Temperature	-30°C ~ 60°C @60% ±25% relative humidity				
Self-discharge rate @25°C	<3% (90 days storage)				
Dimensions (W*D*H)	440±2mm x 420±2mm x 176±2mm per Rack				
Weight (kgs)	Apprx. 43kg per Rack				
Protection Class	IP20				
Communication interface	RS485 / CAN				
Parallel Connection	Parallel connection is optional (up to 5P)				
Certifications	MSDS, UN38.3				
Compatible Inverter Brands	PYLON TECH, GROWATT, SRNE, GOODWE, GINLONG, LUXPOWER, VOLTRONIC POWER, VICTRON, SOROTEC, SCHNEIDER, SMA, MUST, TBBPOWER, STUDER				

# K-FPS5000 WALL

## Low-Voltage Wall Mounted Storage Batteries



### Product Introduction

K-FPS5000 WALL mounted storage batteries are a high technology product designed by Kung Long, which can be used in many different applications. This battery is of small size and weight with long service life, and is developed with advanced BMS to prevent over-charge, over-discharge, over-current, and temperature-monitoring protective function. It possesses outstanding advantages in home energy storage application.

### Product Features

- Minimalist design on shapes, elegant and artistic, IP40 rating
- Supporting multi-system parallel connection, up to 8 modules maximum.

### Technical parameters

<b>Battery parameters</b>	Rated voltage	51.2V
	Voltage range	45~57.6V
	Energy	5120Wh
	Max charge rate	1C
	Battery type	LFP
<b>Operating conditions</b>	Operating temperature range	0 ~ 45°C
	Storage temperature range	-15°C ~ 60°C
	Humidity	5% ~ 95%
	Heat dissipation method	Air cooling
	Weight	46kg
	Size(WxHxD )	430 x 186 x 600mm
	Installation method	Wall mounted
	Communication method	CAN / RS486
<b>Compatible inverter brands</b>	PYLON TECH, GROWATT, SRNE, GOODWE, SOLIS, LUXPOWER, VOLTRONIC POWER, SOROTEC, SCHNEIDER, SMA, MUST, TBB, STUDER	

# K-FPS5kWh All in one

Wall hanging all-in-one energy storage power supply



## Product introduction

K-FPS5kWh All in one series of wall hanging energy storage all in one power supply is a high-tech product for multiple application scenarios which is developed by Kung Long with lithium battery modules, off-grid inverter and BMS integrated inside and can be connected with PV, grid, and load to operate. The charge modes can be selected according to the different scenarios. The system has multiple working modes to choose, to meet the requirements of different application scenarios. It is suitable for scenes of household emergency power backup (power shortage, power failure, typhoon, earthquake and other natural disasters), peak and valley price arbitrage, self-generating self-use, etc., and has outstanding advantages in the application field of household energy storage.

## Product features

- Homely style, elegant and beautiful;
- Single-phase European standard and single-phase American standard design, supporting multi-system grid voltage standards;
- Multiple working modes (photovoltaic priority, mains priority, inverter priority);
- Simple installation and maintenance, the customized design meets the requirements of different customers;
- Bring your own ISO/Android. App monitoring;
- Multiple protection and alarm system, safe and reliable.

## Topological graph



## Technical parameters

Parameters/model		K-FPS5kWh All in one	K-FPS10kWh All in one
AC input parameters	AC input range	UPS mains mode;170-280 ; APL generator mode 90-280	
	AC input frequency	50/60Hz ( automatic detection )	
	AC max charge current	60A	
PV input parameters	Recommended PV max power	4400W	8800W
	OCV	145V	
	MPPT voltage range	60V ~ 115V	
	Charge current	80A	160A
Battery parameters	Rated voltage	51.2V	
	Voltage range	45 ~ 57.6V	
	Energy	5120Wh	10240Wh
	Max discharge rate	1C	
	Max charge rate	1C	
	Battery type	LFP	
AC output parameters	Rated power	5000W	
	Surge power	10000W	
	Rated output voltage	220 / 230 / 240Vac	
	Rated frequency	50 / 60Hz	
	Output wave form	Pure sine wave	
	Output method	Pluggable connector	
Operating conditions	Operating temperature range	0 ~ 55°C	
	Storage temperature range	-15°C ~ 60°C	
	Humidity	5% ~ 95%	
	Heat dissipation method	Smart air cooling	
	Weight	72kg	120kg
	Size(WxHxD )	490mm×160mm×880mm	490mm×160mm×1300mm
	Protection level	IP20	IP20
	Communication method	WIFI/RS485	WIFI/RS485

 **KUNG LONG BATTERIES IND. CO., LTD.**

**HEADQUARTER  
TAIWAN**

TEL: +886-49-2254-777  
FAX: +886-49-2255-139  
E-mail: sales@mail.klb.com.tw  
http://www.klb.com.tw

**USA OFFICE**

TEL: +1-949-328-7936  
FAX: +1-949-266-9917  
E-mail: sales@kunglong.com  
http://www.kunglong.com

**MANUFACTURING  
LE LONG VIETNAM CO., LTD.**

TEL: +84-272-3779666  
FAX: +84-272-3779476  
E-mail: sales@mail.klb.com.tw  
http://www.lelong.com.vn

