

Innovative Home Battery for Maximum Flexibility



LG FLEX offers three types of House Fits which fit each customers' energy usage pattern

 Battery Protection Unit  Battery Module

LIGHT FIT



- An affordable solution for light users
- Shaving peak hours' loads in daily use
- Back up critical loads in emergency
- Self Consumption



Battery Protection Unit
+ **2** Battery Modules
 **8.6** kWh
 **6** configurations



STANDARD FIT

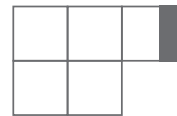


- A powerful solution for energy independence
- Back up critical loads in emergency
- Cover energy consuming devices (Heat pumps, EVs)



Battery Protection Unit
+ **3** Battery Modules
 **12.9** kWh
 **12** configurations



COMPLETE FIT



- A versatile solution with wide application from home to small C&I
- Whole Home Back-up*

Battery Protection Unit
+ **4** Battery Modules
 **17.2** kWh
 **21** configurations



* This feature is dependent on the functionality of the inverter.



 **LG Energy Solution**

Make Your Own Energy

FLEX

Innovative Home Battery for Maximum Flexibility



LG Home Battery

www.lghomebattery.com

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Watch the Video



INSTALLATION FLEXIBILITY

Regardless of your environment, LG FLEX will fit anywhere in your home. More than 30 different installation forms to maximize space efficiency.



ENERGY EXPANSION FLEXIBILITY

Whether you want a small capacity to meet your essential loads, or a large capacity to meet additional loads, we have just the right option for you.



ON-THE-SPOT MAINTENANCE

In case of a problem, there's no need to worry as it will be fixed on the spot by simply replacing the battery module. Replacing on site saves maintenance time and cost.



REAL-TIME MONITORING

Check on the battery status anytime with the monitoring app. Can help you accurately monitor your solar production and home energy consumption for precise, real-time insight to your home energy.



PRODUCT SAFETY

Globally certified, with a 10 years warranty, we guarantee your peace of mind. IEC, CE, UL(UL9540A) certified.



LG FLEX is built upon the skill and devotion of engineers and designers who have dedicated themselves to the pursuit of perfection. Battery units can be connected in many different ways to offer the optimal capacity for each household.

Floor-Standing type



BATTERY MODULES

BATTERY PROTECTION UNIT



BATTERY MODULE
48.9kg

+



BATTERY PROTECTION UNIT
16.6 kg

=



SPECIFICATION

ELECTRICAL CHARACTERISTICS

Model Name	FLEX 8.6	FLEX 12.9	FLEX 17.2
Number of Battery Modules	2	3	4
Usable Energy (DoD100%) [kWh]	8.6	12.9	17.2
Voltage Range [V]	192-265.6	288-398.4	384-531.2
Max. Charge/Discharge Current [A]	22	22	22
Max. Charge/Discharge Power [kW]	4.3	6.5	8.5
Peak Power (only discharging, for 3 sec.)	5	7	11
Dimensions ¹⁾ [W × H × D, mm]	665.2 × 665.2 × 148.4		
Weight [kg]	Battery Module ¹⁾		48.9
	Battery Protection Unit		16.6
Communication Interface	RS485 & CAN		
Maximum Protection voltage [V]	1,000		
DC Protection	Circuit Breaker		
Phase	Single & 3-phase		

OPERATING CONDITIONS

Installation Location	Indoor / Outdoor	
Installation Type	Floor-Standing & Wall Mounting	
Operating Temperature [°C]	Charge	-10 ~ 50
	Discharge	-10 ~ 50
Operating Temperature (Recommended)	20 ~ 30	
Ingress Rating	IP55	

CERTIFICATION

Safety	Cell	UL1642, IEC62619
	Battery Pack	CE, RCM, UL1973, IEC62619, IEC62477-1, UL9540A, FCC, IEC61000-6-1/-2/-3
Warranty	70%@10 years (Global)	

• Compatible Inverter Brands : KOSTAL (3-phase), Fronius (Single & 3-phase), SMA (Single & 3-phase), Goodwe (3-phase)
- Please check the latest compatible inverter list on ESS Battery Website

* Values provided for 25°C

¹⁾ Without Design Cover and Standing Bracket

RESU Blog : <https://www.lghomebattery.com.au>