



Change your energy, charge your life



Compact

With wall or floor mounting options and a range of compact sizes, the LG Home Battery has great installation flexibility.



Powerful

With its hybrid capability, LG Home Battery allows extra solar to be installed for maximum performance even in winter and on cloudy days.



Flexible

With multiple options, the LG Home Battery can be AC-coupled or DC-coupled for a system design perfectly suited to your needs.

RESU HOME

Technical Specifications

The Complete Solar Storage Solution



RESU16H PRIME



RESU10H PRIME



RESU6.5



RESU10



RESU12



LGES-5048

Usable Energy [kWh]	16	9.6	5.9	8.8	11.7	Nominal AC Output Power [kW]: 5.0 Max. Charge / Discharge Current [A]: 100 Dimensions [W x H x D] / Weight: 516 x 440 x 184mm / 30kg Installation Type: DC-coupled or AC-coupled • PV input up to 7.5kW with battery • Single point of local service • Reliable, quiet fan-less design • 97% Efficiency • UPS black-out protection • Remote upgrade • For single & three phase systems • Compatible with Tigo Optimisers • Warranty of 10 years
Power (Rated/Peak) [kW]	7 / 11	5 / 7	4.2 / 4.6	5 / 7	5 / 7	
Voltage [V]	350-450	350-450		42.0-58.8		
Round-trip Efficiency [%]	>90	>90	>95	>95	>95	
Storage Power Consumption [W]	< 0.1	< 0.1	n/a	n/a	n/a	
Installation Type	Floor-standing	Floor & Wall-mounted	Floor & Wall-mounted	Floor & Wall-mounted	Floor & Wall-mounted	
Weight [kg]	Total	159	52	75	99	
	Module	130 (65 x 2EA)	82 (41 x 2EA)			
	Control Unit	24	24			
	Connect Plate	5	5			
Dimension [W x H x D, mm]	504 x 1,086 x 295	504 x 817 x 295	452 x 656 x 120	452 x 484 x 227	452 x 626 x 227	
Scalability - up to 2 units	32kWh/14kW	19.2kWh/10kW	11.8kWh/4.2kW	17.6kWh/5kW	24.8kWh/5kW	
Operational Temperature [°C]	-10-50	-10-50	-10-45	-10-45	-10-45	
Ingress Rating	IP55	IP55	IP55	IP55	IP55	
Warranty 10 years or throughput	54 MWh	32MWh	20MWh	30MWh	39MWh	
Communication	CAN & RS485	CAN & RS485		CAN2.0B		
Certification	Cell	UL 1642	UL 1642	UL 1642	UL 1642	
	Product	CE / FCC / RCM / IEC62619 UL1973 / IEC62477	CE / FCC / RCM / IEC62619 UL1973 / IEC62477		CE / FCC / RCM / IEC62619 UL1973	

1) Compatible Inverters Brands**: SolarEdge, SMA, General Electric

2) * Values provided for 25°C.

3) ** In progress.

4) Warranted energy retention, PRIME 70%, RESU 6.5-10-12 60%.

1) Total Energy is measured at the initial stage of battery life under the condition as follows: Temperature 25 °C

2) Usable Energy for the whole system varies according to inverter.

3) Compatible Inverter Brands : GoodWe, Sungrow, Selectronic, Solis and more.



LG Home Battery

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LG Energy Solution

Innovation for a better life