

Skype



## RESU LG CHEM

RESU LG Chem Energy Storage System can store surplus energy generated from rooftop photovoltaic panels for use when needed, and increase your energy self-consumption percentage.



Baterías LG RESU



Bateria LG RESU3.3



Bateria LG RESU6.5



Bateria LG RESU10





Bateria LG RESU7H

A **battery or Energy Storage System (ESS)** can store surplus energy generated from rooftop photovoltaic panels for use when needed. When the sun has set, energy demand is high, or there is a black-out, you can use the energy stored in your ESS to meet your energy needs at no extra cost. In addition, an ESS helps you pursue the goal of energy self-consumption and ultimately Energy-independence.

### Electricity Bill Saving

- Charge during off-peak times
- Discharge during peak times.

### Self-consumption

- Store solar energy generated from photovoltaic panels for the future use.

### Emergency Power Back-Up

- Discharge during a black-out, functioning as back-up power.

## Key Features of New RESU Series

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### Compact Size & Easy Installation

The compact and lightweight nature of the RESU is world-class. It is designed to allow easy wall-mounted or floor-standing installation for both indoor and outdoor applications. The inverter connections have also been simplified, reducing installation time and costs.

### Powerful Performance

The new RESU series features industry-leading continuous power (4.2 kW for RESU6.5) and DC round-trip efficiency (95%). LG Chem's L&S (Lamination & Stacking) technology provides durability ensuring 80% of capacity retention after 10 years.

### Proven Safety

LG Chem places the highest priority on safety and utilizes the same technology for its ESS products that has a proven safety record in its automotive battery. All products are fully certified in relevant global standards.

### Diversity in Product & Capacity Options

A total of five different models are available to meet customers varying needs with respect to voltage and capacity. With the RESU Plus, all 48V models can be "cross-connected" with one other 48V unit at any capacity. This allows the RESU Range to offer energy storage capacities from 3.3 kWh to 19.6 kWh.

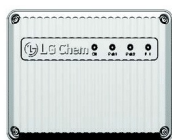
## 48 V

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### MODELS

RESU 3.3 RESU 6.5 RESU 10

		3.3	6.5	10
Total Energy	kWh	3.3	6.5	9.8
Usable Energy	kWh	2.9	5.9	8.8
Capacity	Ah	63	126	189
Nominal Voltage	Vdc	51,8	51,8	51,8
Voltage Range	Vdc	42,0 - 58,8	42,0 - 58,8	42,0 - 58,8
Max. Power	kW	3,0	4,2	5,0
Peak Power	kW	3,3	4,6	7,0
Dimensions (W x H x D)	mm	452 x 401 x 120	452 x 654 x 120	452 x 483 x 227
Weight	Kgr	31	52	75
Enclosure Protection Rate		IP 55		
Communication		CAN 2.0 B		
Certificates	Cell	UL 1642		
	Product	CE/RCM/TUV (IEC 62619)/UL 1973		



RESU Plus is an expansion kit specially designed for 48V models of new RESU series.

With RESU Plus, all 48V models can be cross-connected with each other.

- Dimension: 385 x 240 x 65 (W x H x D, mm)
- Number of expandable Battery Units: Up to 2EA
- IP55

Compatible inverter brands: SMA, SolaX, Sungrow, Schneider, Ingeteam, GoodWe, Redback, Victron Energy (More brands to be added)

Check compatible options at each case.

## 400 V

MODELS		RESU7H	RESU10H
Total Energy	kWh	7.0	9.8
Usable Energy	kWh	6.6	9.3
Capacity	Ah	63	63
Voltage Range	Vdc	350 - 450	350 - 385 - 450 550
Max. Power	kW	3.5	5.0
Peak Power	kW (10 sec)	5.0	7.0
Dimension (W x H x D)	mm	744 x 692 x 206	744 x 907 x 206
Weight	Kgr	76	97 98,8

Enclosure Protection	IP 55		
Communication	RS 485	RS 485	CAN 2.0 B
Certificates	Cell	UL 1642	
	Product	TUV (IEC 62619) / CE	RUV (IEC 62619) / UL1973 / CE

Compatible Inverter Brands: SMA, SolarEdge  
(More brands to be added)

Check compatible options at each case.

## DOWNLOADS



LG RESU Brochure  
(2.01 MiB)