

Innovation  
for a Better Life



# CHANGE YOUR ENERGY CHARGE YOUR LIFE



RESU



## Compact Size & Easy Installation

The compact and lightweight nature of the RESU allows easier and faster installation.



## Diverse Product Options

The RESU series offers diverse product options ranging from 3.3kWh to 13.1kWh.



## Proven Safety

The safety of LG Chem's lithium-ion battery is proven in the automotive and ESS markets.



ESS Partner Portal

\* The ees award is one of the most honorable awards presented annually at ees Europe, the largest exhibition for batteries and energy storage systems in Europe, with the purpose to pay tribute to pioneering products and solutions for energy storage system.

[www.lgesspartner.com](http://www.lgesspartner.com)

### 48V



Models		RESU3.3	RESU6.5	RESU10	RESU13
Total Energy [kWh] <sup>1)</sup>		3.3	6.5	9.8	13.1
Usable Energy [kWh] <sup>2)</sup>		2.9	5.9	8.8	12.4
Capacity [Ah]		63	126	189	252
Nominal Voltage [V]		51.8			
Voltage Range [V]		42.0~58.8			
Max Power [kW]		3.0	4.2	5.0	5.0
Peak Power [kW] (for 3 sec.)		3.3	4.6	7.0	7.0 / 11.0 (Backup Mode)
Dimension (W x H x D, in)		17.8 x 15.9 x 4.7	17.8 x 25.8 x 4.7	17.8 x 19.1 x 8.9	17.8 x 24.6 x 8.9
Weight [lb]		68	115	165	214
Enclosure Protection Rating		IP55			
Communication		CAN2.0B			
Certificates	Cell	UL1642			
	Product	UL1973 / TUV (IEC 62619) / CE / FCC / RCM			TUV(IEC 62619)/CE/FCC/RCM

Compatible Inverter Brands : SMA, SolaX, Ingeteam, Redback, GoodWe, Sungrow, Victron Energy, Selectronic - More brands to be added

1) Total Energy is measured at the initial stage of battery life under the condition as follows : Temperature 77°F

2) Usable Energy is based on battery cell only

### RESU PLUS



**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 : 8.5 x 6.1 x 4.8 (W x H x D, in)
- Number of Expandable Battery Units : Up to 2EA
- IP55

### 400V



Models	RESU7H		RESU10H	
	Type-R	Type-C	Type-R	Type-C
Total Energy [kWh] <sup>1)</sup>	7.0		9.8	
Usable Energy [kWh] <sup>2)</sup>	6.6		9.3	
Capacity [Ah]	63		63	
Voltage Range [V]	350~450	430~550	350~450	430~550
Max Power [kW]	3.5		5.0	
Peak Power [kW]	5.0 (for 5 sec.)	5.0 (for 10 sec.)	7.0 (for 10 sec.)	
Dimension (W x H x D, in)	29.3 x 27.3 x 8.1	29.3 x 35.7 x 8.1	29.3 x 35.7 x 8.1	29.3 x 35.7 x 8.1
Weight [lb]	165	192	214	220
Enclosure Protection Rating		IP55		
Communication		RS485	CAN2.0B	RS485
Certificates	Cell	UL1642		
	Product	TUV (IEC 62619) / CE / FCC / RCM	TUV (IEC 62619) / CE / RCM	UL1973 / TUV (IEC 62619) / CE / FCC / RCM

Compatible Inverter Brands : SMA, SolarEdge, Fronius, Huawei - More brands to be added

1) Total Energy is measured at the initial stage of battery life under the condition as follows : Temperature 77°F

2) Usable Energy is based on battery cell only