

# The all new RESU HOME



## The Complete Solar Storage Solution

Joining the RESU family is the LGES-5048 Hybrid Inverter to complement your solar panels and new RESU battery. Enhance and customise your solar system as you see fit with a variety of storage sizes up to 24.8kWh (RESU13).

- Combined 10 year warranty
- High Performance - proven technology
- Designed for new solar and existing solar + storage installations
- Maximises PV self-consumption versus feed-in
- Provides back up with the option to scale energy capacity
- Ultimate flexibility



RESU6.5



RESU10



RESU13



RESU PLUS

LGES-5048



Usable Energy [kWh]	5.9	8.8	12.4	<p>RESU Plus is an expansion kit specially designed for 48V models of the RESU series.</p> <p>With RESU Plus, compatible 48V models can be cross-connected with each other</p> <p>Each model supports up to 2 expandable units each</p>
Power (Rated/Peak) [kW]	4.2 / 4.6	5 / 7	5 / 7	
Voltage [V]	42.0-58.8			
Round-trip Efficiency [%]	>95	>95	>95	
Storage Power Consumption [W]	n/a	n/a	n/a	
Installation Type	Floor & Wall-mounted	Floor & Wall-mounted	Floor & Wall-mounted	
Weight [kg]	52	75	99	
Dimension [W x H x D, mm]	452 x 656 x 120	452 x 484 x 227	452 x 626 x 227	
Scalability - up to 2 units	11.8kWh/4.2kW	17.6kWh/5kW	24.8kWh/5kW	
Operational Temperature [°C]	-10-45	-10-45	-10-45	
Ingress Rating	IP55	IP55	IP55	
Warranty 10 years or throughput	20MWh	30MWh	39MWh	
Communication	CAN2.0B			
Cell	UL 1642			
Certification	CE / FCC / RCM / IEC62619			
Product	UL1973			
Expandable Storage	<p>Yes - combine up to 2 models with the RESU Plus</p>			
	<p>* RESU6.5, RESU10, and RESU12 (coming soon) can be expanded with any of those models                  * RESU13 can only be expanded with another RESU13</p>			

Nominal AC Output Power [kW]	5.0
Max. Charge / Discharge Current [A]	100
Nominal AC Voltage [V]	230
Dimensions [W x H x D] / Weight	516 x 440 x 184mm / 30kg
Installation Type	New solar+battery, Add to existing solar+battery

## Inverter Key Features

- PV input up to 7.5kW with battery
- Single point of service
- AC-coupled or DC-coupled
- Proven and reliable quiet fan-less design
- 97% Efficiency
- In-built PV DC Isolator
- Back-up function (UPS black-out protection)
- Remote upgrade
- Applicable for single & three phase systems
- Compatible with Tigo Optimisers
- Warranty of 10 years

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.

