

Product Specifications

RESU



Ihr Online-Fachhändler für:

VIESSMANN

- Kostenlose und individuelle Beratung
- Hochwertige Produkte
- Kostenloser und schneller Versand

- TOP Bewertungen
- Exzellerter Kundenservice
- Über 20 Jahre Erfahrung



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Note.

The information included in this specifications is accurate at the time of publication.
However, this product is subject to change without prior notice.

1.1 Technical Data



▪ Silver



▪ Champaign Gold



Mechanical Characteristics	
Model	RESU3.3
Width	452 mm
Height	401 mm
Depth	120 mm
Weight	31kg

Electrical Characteristics	
Total Energy Capacity	3.3 kWh
Usable Energy Capacity	2.9kWh
Battery Capacity	63 Ah
Voltage Range	42.0~58.8V _{DC}
Nominal Voltage	51.8V _{DC}
Max. Charge/Discharge Current	71.4A
Max. Charge/Discharge Power ¹⁾	3.0kW
Peak Power	3.3kW for 3 sec.
Battery Pack Round-Trip Efficiency	>95% (under specific condition)
Communication Interface	CAN
DC Disconnect	Circuit Breaker, Contactor, Fuse

※ Test Conditions
- Temperature : 25°C

1) LG Chem recommends 1.1kW for maximum battery lifetime

Operating Conditions	
Installation Location	Indoor(Wall-Mounted) / Outdoor
Operating Temperature	-10~45°C (14~113°F)
Operating Temperature (Recommended)	15~30°C (59~86°F)
Storage Temperature	-30~60°C (-22~140°F)
Humidity	5%~95%
Altitude	Max. 2,000m
Cooling Strategy	Natural Convection

Reliability & Certification		
Safety	Cell	UL1642
	Battery Pack	CE / RCM / TUV (IEC 62619) / UL1973
Hazardous Materials Classification		Class 9
Transportation		UN38.3 (UNDOT)
Ingress Rating		IP55 (NEMA 3R)

2.1 Technical Data



▪ Silver



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Mechanical Characteristics

Model	RESU6.5
Width	452 mm
Height	654 mm
Depth	120 mm
Weight	52kg

Electrical Characteristics

Total Energy Capacity	6.5 kWh
Usable Energy Capacity	5.9kWh
Battery Capacity	126 Ah
Voltage Range	42.0~58.8V _{DC}
Nominal Voltage	51.8V _{DC}
Max. Charge/Discharge Current	100A
Max. Charge/Discharge Power ¹⁾	4.2kW
Peak Power	4.6kW for 3 sec.
Battery Pack Round-Trip Efficiency	>95% (under specific condition)
Communication Interface	CAN
DC Disconnect	Circuit Breaker, Contactor, Fuse

※ Test Conditions
- Temperature : 25°C

1) LG Chem recommends 2.2kW for maximum battery lifetime

Operating Conditions	
Installation Location	Indoor(Wall-Mounted) / Outdoor
Operating Temperature	-10~45°C (14~113°F)
Operating Temperature (Recommended)	15~30°C (59~86°F)
Storage Temperature	-30~60°C (-22~140°F)
Humidity	5%~95%
Altitude	Max. 2,000m
Cooling Strategy	Natural Convection

Reliability & Certification		
Safety	Cell	UL1642
	Battery Pack	CE / RCM / TUV (IEC 62619) / UL1973
Hazardous Materials Classification		Class 9
Transportation		UN38.3 (UNDOT)
Ingress Rating		IP55 (NEMA 3R)

3.1 Technical Data



▪ Silver



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Mechanical Characteristics

Model	RESU10
Width	452 mm
Height	482.5 mm
Depth	227 mm
Weight	75kg

Electrical Characteristics

Total Energy Capacity	9.8 kWh @25°C, 100% SOC
Usable Energy Capacity	8.8kWh
Battery Capacity	189 Ah
Voltage Range	42.0~58.8V _{DC}
Nominal Voltage	51.8V _{DC}
Max. Charge/Discharge current	119A
Max. Charge/Discharge Power ¹⁾	5kW
Peak Power	7kW for 3 sec.
Battery Pack Round-Trip Efficiency	>95% (under specific condition)
Communication Interface	CAN
DC Disconnect	Circuit Breaker, Contactor, Fuse

※ Test Conditions
- Temperature : 25°C

1) LG Chem recommends 3.3kW for maximum battery lifetime

Operating Conditions	
Installation Location	Indoor(Wall-Mounted) / Outdoor
Operating Temperature	-10~45°C (14~113°F)
Operating Temperature (Recommended)	15~30°C (59~86°F)
Storage Temperature	-30~60°C (-22~140°F)
Humidity	5%~95%
Altitude	Max. 2,000m
Cooling Strategy	Natural Convection

Reliability & Certification		
Safety	Cell	UL1642
	Battery Pack	CE / RCM / TUV (IEC 62619) / UL1973
Hazardous Materials Classification		Class 9
Transportation		UN38.3 (UNDOT)
Ingress Rating		IP55 (NEMA 3R)



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4.1 Technical Data



▪ Silver



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Mechanical Characteristics

Model	RESU7H
Width	744 mm
Height	692 mm
Depth	205.7 mm
Weight	76kg

Electrical Characteristics

Total Energy Capacity		7 kWh
Usable Energy Capacity		6.6kWh
Battery Capacity		63Ah
Inverter Interface Voltage Range		350~450V _{DC}
Charge/Discharge current	Continuous	10A
	Peak	14.3A
Max. Charge/Discharge Power ¹⁾		3.5kW
Peak Power		5kW for 5 sec.
Battery Pack Round-Trip Efficiency		> 90% (under specific condition)
Communication Interface		RS485
DC Disconnect		Circuit Breaker (600V, 25A)
Connection Method		Spring Type Connector

※ Test Conditions
 - Temperature : 25°C

1) LG Chem recommends 2.3kW for maximum battery lifetime

2) CB : Circuit Breaker

Operating Conditions	
Installation Location	Indoor(Wall-Mounted) / Outdoor
Operating Temperature	-10~45°C (14~113°F)
Operating Temperature (Recommended)	15~30°C (59~86°F)
Storage Temperature	-30~60°C (-22~140°F)
Humidity	5%~95%
Altitude	Max. 2,000m
Cooling Strategy	Natural Convection

Reliability & Certification		
Safety	Cell	UL1642
	Battery Pack	TUV (IEC 62619) / CE
Hazardous Materials Classification		Class 9
Transportation		UN38.3 (UNDOT)
Ingress Rating		IP55 (NEMA 3R)

5.1 Technical Data

▪ Silver



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▪ Champaign Gold



Mechanical Characteristics

Model	RESU10H	
Width	744 mm	
Height	907 mm	
Depth	205.7 mm	
Weight	98kg	101kg

Electrical Characteristics

Total Energy Capacity		9.8 kWh	
Usable Energy Capacity		9.3kWh	
Battery Capacity		63Ah	
Inverter Interface Voltage Range		350~450V _{DC}	385~550V _{DC}
Charge/Discharge current	Continuous	12.6A / 14.3A	10.6A / 11.6A
	Peak	14.3A	16.3A
Max. Charge/Discharge Power ¹⁾		5kW	
Peak Power		7kW for 10 sec.	
Battery Pack Round-Trip Efficiency		>90% (under specific condition)	
Communication Interface		RS485	CAN
DC Disconnect		Circuit Breaker (600V, 25A)	
Connection Method		Spring Type Connector	

※ Test Conditions
 - Temperature : 25°C

1) LG Chem recommends 3.3kW for maximum battery lifetime

2) CB : Circuit Breaker

Operating Conditions	
Installation Location	Indoor(Wall-Mounted) / Outdoor
Operating Temperature	-10~45°C (14~113°F)
Operating Temperature (Recommended)	15~30°C (59~86°F)
Storage Temperature	-30~60°C (-22~140°F)
Humidity	5%~95%
Altitude	Max. 2,000m
Cooling Strategy	Natural Convection

Reliability & Certification		
Safety	Cell	UL1642
	Battery Pack	TUV (IEC 62619) / UL1973 / CE
Hazardous Materials Classification		Class 9
Transportation		UN38.3 (UNDOT)
Ingress Rating		IP55 (NEMA 3R)



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