RESU 3.3

3.3kWh Battery Pack Specification

LG Chem

INTRODUCTION

1. Features

RESU 3.3 battery pack designed for indoor photovoltaic systems is easily adaptable energy storage solution. With RESU Plus, all 48V models can be “cross-connected” with one other 48V unit of any capacity.

※ RESU Plus is an expansion kit specially designed for 48V models.
Number of expandable battery units : up to 2

- ❑ Compact and light weight
- ❑ Powerful Performance : World Best Energy Density
- ❑ Easy and Flexible installation
  - : Easy wall-mounted or floor-standing installation enable
  - : Diverse Matched Inverters Available
- ❑ BMS firmware can be updated easily by using SD Card

2. Outline Dimensions

(Unit : mm)

Physical Characteristics		
Model P/N		R4863P3S
Width	mm	452
Depth	mm	120
Height	mm	401
Weight	kg	31

3. Technical Data

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[2)]	3.3kW for 3 sec.
Peak Current	78.6 A for 3 sec.
Battery Pack Round-Trip Efficiency	>95% (under specific condition)
Communication Interface	CAN
DC Disconnect	Circuit Breaker, Contactor, Fuse

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

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

※ Test Conditions - Temperature 25°C

1) LG Chem recommends 1.1kW for maximum battery lifetime
2) Peak Current excludes repeated short duration (less than 3 sec.) of current pattern.

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