

Product Specification (1/2)

RESU10H

Solaredge compatible

Electrical Characteristics		
Total Energy		
9.8 kWh @25°C (77°F)		
Usable Energy¹⁾		
9.3 kWh @25°C (77°F)		
Voltage Range	Charge	400 ~ 450 VDC
	Discharge	350 ~ 430 VDC
Absolute Max. Voltage		
520VDC		
Max. Charge/Discharge Current		
11.9A@420V / 14.3A@350V		
Max. Charge/Discharge Power²⁾		
5kW		
Peak Power (only discharging)³⁾		
7kW for 10 sec.		
Peak Current (only discharging)		
18.9A@370V for 10 sec.		
Communication Interface		
RS485		
DC Disconnect		
Circuit Breaker, 25A, 600V rating		
Connection Method		
Spring Type Connector		
User interface		
LEDs for Normal and Fault operation		
Protection Features		
Over Voltage / Over Current / short circuit / Reverse Polarity		
Scalability (Total Energy, Max. Charge/Discharge Power, Peak Power (only discharging))		
Max. 2 in parallel (19.6 kWh @25°C (77°F), 6.6kW, 7kW for 10 sec.)		

Operating Conditions	
Installation Location	Indoor(Wall-Mounted) / Outdoor
Operating Temperature	14 ~ 113°F (-10 ~ 45°C)
Operating Temperature (Recommended)	59 ~ 86°F (15 ~ 30°C)
Storage Temperature	-22 ~ 131°F (-30 ~ 55°C)
Humidity	5%~95%
Altitude	Max. 6,562ft (2,000m)
Cooling Strategy	Natural Convection

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

- ※ Test Conditions - Temperature 25°C, at the beginning of life
- ※ Total Energy is measured under specific condition from LGC(0.3CCCV/0.3CC)
- ※ DC/DC Discharge Efficiency 94.5%

- 1) Value for Battery Cell Only (Depth of Discharge 95%), 2kW charge/discharge power.
- 2) LG Chem recommends 3.3kW for maximum battery lifetime
- 3) Peak Current excludes repeated short duration (less than 10 sec. of current pattern).

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REVISIONS		
DESCRIPTION	DATE	REV

Signature with Seal

DATE: 01/06/2020

PROJECT NAME & ADDRESS

DWIGHT BLAKEY
RESIDENCE
15024 ASHTON RD,
DETROIT, MI 48223

DESIGNED BY
PHS

SHEET NAME
EQUIPMENT
SPECIFICATION

SHEET SIZE
ANSI B
11" X 17"

SHEET NUMBER
PV-8B