

Library Sort	Production specification	VER	DLE-Q-PRA-RDC-ZS-125A.0
Customer NO.	SOLUNA	Date	20230803

Production Specification

Lithium Battery Pack

LV Parallel Box II

客户 Customer	SOLUNA	客户型号 Customer Model	LV Parallel Box II
项目名称 Project Name	LV Parallel Box II	文件编号 Document NO	DLE-Q-PRA-RDC-ZS-125
受控版本 Controlled Revision	A.0	实施日期 Issued Date	2023.08.03
SOLUNA POWER DESIGNED FOR NIGHT AND DAY		Customer Approver Signatures	
编制 Registered		审核 Checked	
审核 Checked		批准 Approved	
批准 Approved			

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Revision No.	Revision Date	Page	Item	Description	Remark
A.0	2023.08.03	6	/	Draft version	/

1. Product Introduction

This unit can only be used when connecting Soluna EOS-5K Pack and Soluna 10K Pack LV in parallel.

2. Outline Dimension

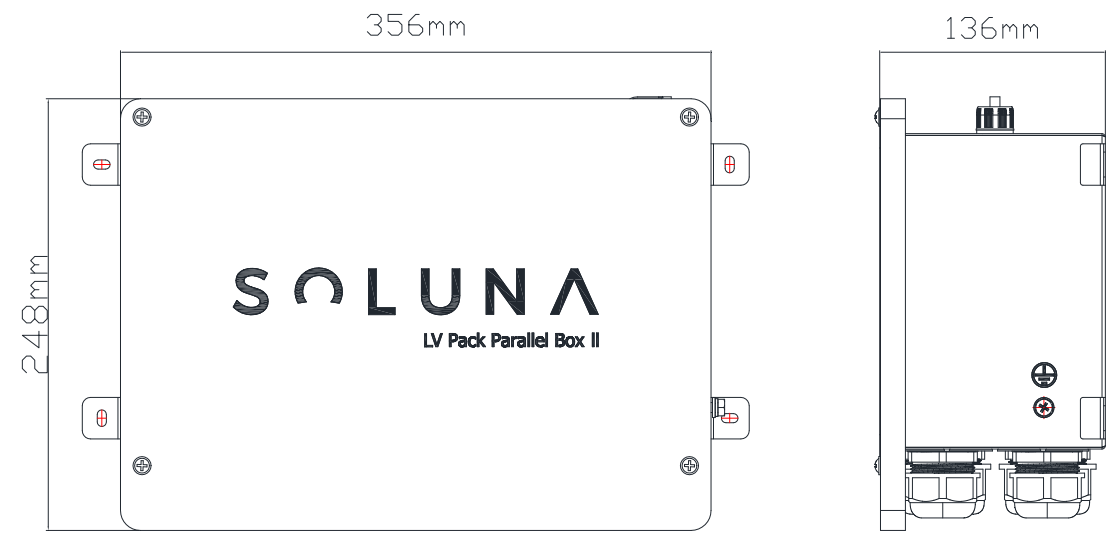


Figure 1.1 outline dimension

Length	356	mm
Width	248	mm
Height	136	mm
Weight	4.6	kg

3. Technical data

Electrical Connecting Port

Working Voltage	51.2VDC
Input Current (Max)	100A*4
Output Current (Max)	400A
Input Wiring (Max)	4*65mm ²
Output Wiring (Max)	100mm ²

Communication Connecting Port

Communication connecting port type	RJ45 (8P)
Input Communication connecting port (QTY)	10
Output Communication connecting port (QTY)	2

Regular parameters

Operating temperature range (°C)	-10~+50
Storage stability range (°C)	-20~+60
Relative humidity	0~95%
Ingress protection	IP54
Condition	Indoor conditioned

4. Appearance

Please find the following pictures for details.

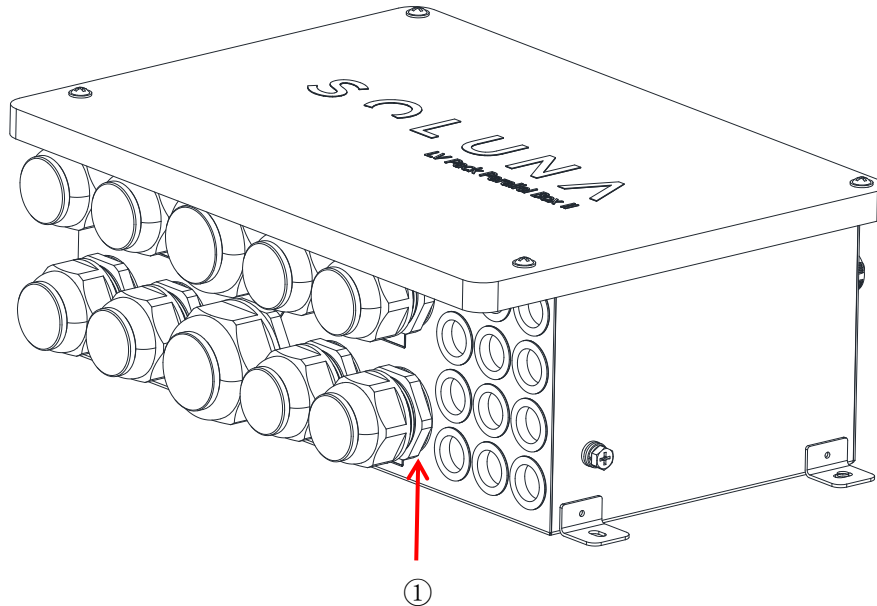


Figure 4.1 Appearance

Number	Name	Remark
①	Wiring area of battery & Communication cables	

Remark: Remove the upper cover before connecting wires.

5. Interface definition

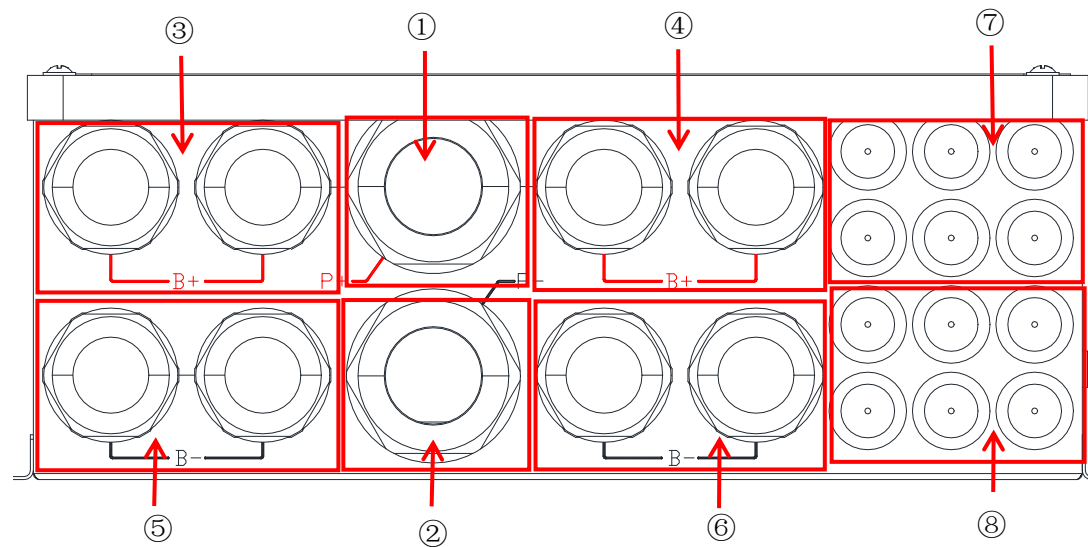


Figure 5.1 Interface definition

Number	Name	Remark
①	P+	Positive of battery (Output)
②	P-	Negative of battery (Output)
③④	B+	Connect to the positive of battery (Input)
⑤⑥	B-	Connect to the negative of battery (Input)
⑦	CAN1	Connect to CAN1 of battery
⑧	CAN2	Connect to CAN2 of battery and to CAN communication of inverter

6. Caution

- 1) MUST cut off the inverter and battery's power before you connect the parallel box, to avoid electric shock.