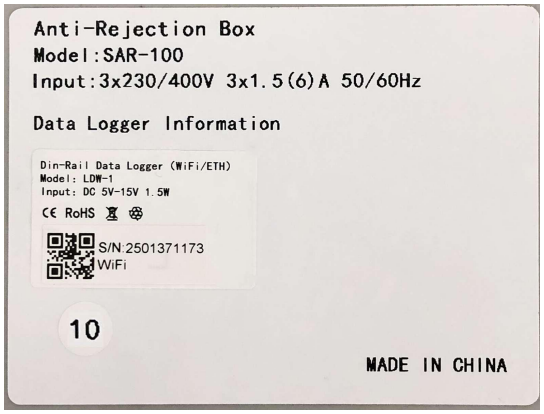
Product Specification Report

Supplier Name：	IGEN Tech Co., Ltd.
Supplier Part No.：	
Customer Name：	
Customer Part No.：	
Product Name：	Anti-Reflux Box (WiFi/ETH)
Product Type：	
SIM Card Type：	
Flow Part No.：	
WiFi Version：	
Inverter Protocol：	
Effective Date：	
Customer Approval	Supplier Approval
Confirmed By / Approved By	

Version	Update Time	Note	Updated By
1.0			

Product Type

Product Type	SAR-100-5/SAR-100-10（3x400V）
No. of Connection	5/10
Label	

Introduction

SOLARMAN anti-reflux box enables the real-time monitoring of grid-tied situation through the integration of three-phase meter, logger and CT, which meets the requirement of real-time adjusting inverter output power at power consumption scenario.

Supported data transmission mode: WiFi&Ethernet.

Parameters

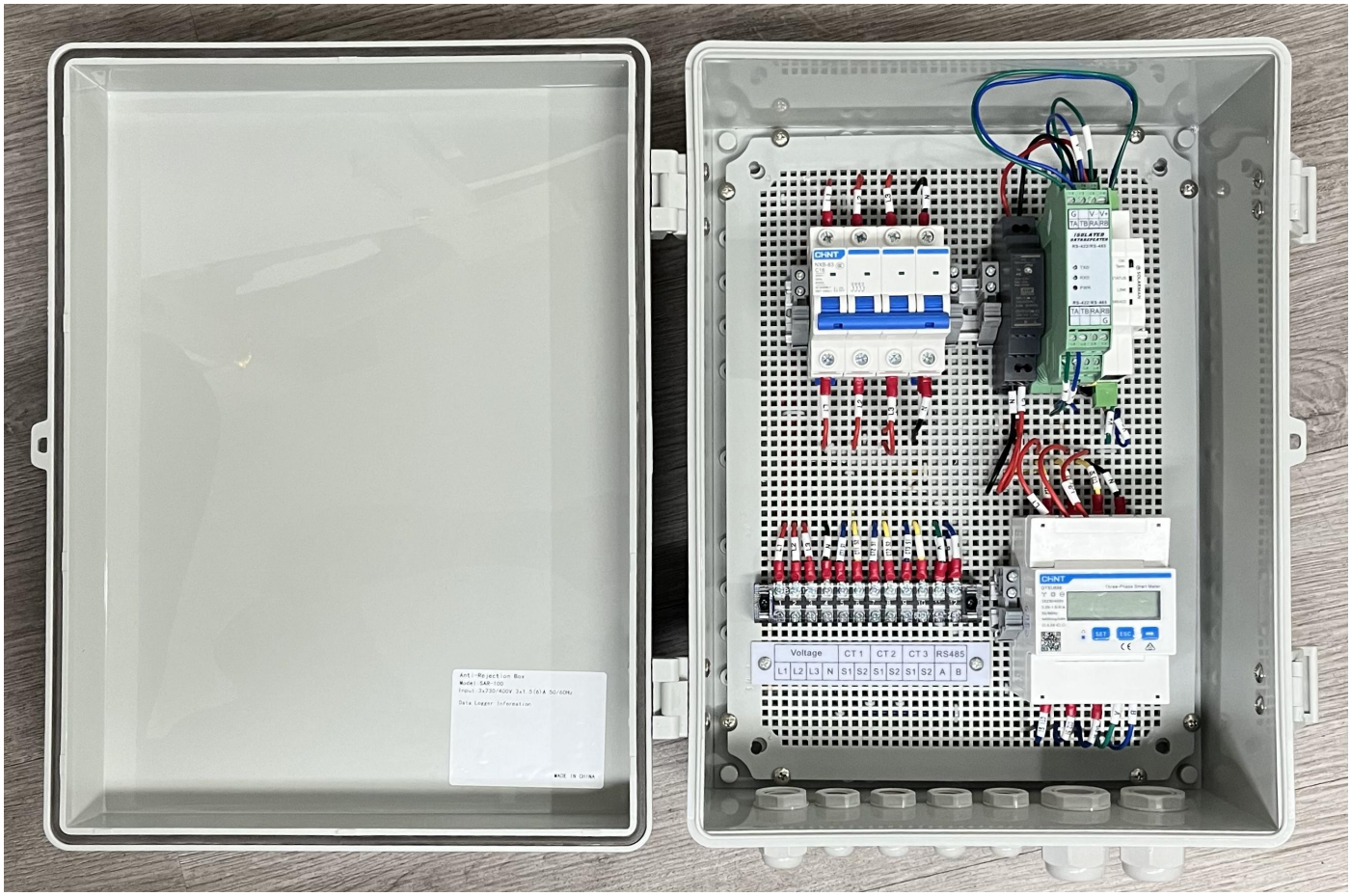
Model:SAR-100-10（3x400V）

	Parameter
Product Model	SAR-100-5/SAR-100-10（3x400V）
Remote Communication	2.4G WiFi+Ethernet
Local Communication	RS485
No. of Connections	5/10

Accessing Method	Three-Phase Four-Wire
Working Voltage	3x230/400V 50/60Hz
Working Current	3x1.5(6)A
IP Grade	IP65
Working Temperature	-30℃-+70℃
Working Humidity	5%-95% (No Condensation)
Installation Method	Wall-Hanging
Size	400x300x170mm
Net Weight	3.3kg

Product Pictures

Anti-Reflux Box



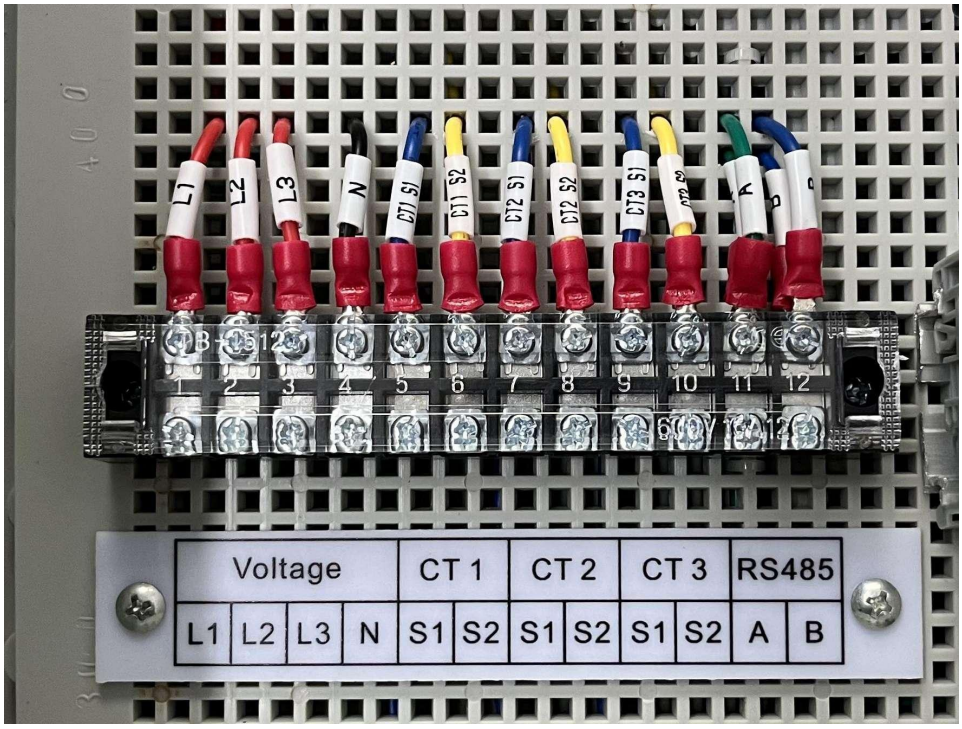
Interior View

Bottom View

Front View

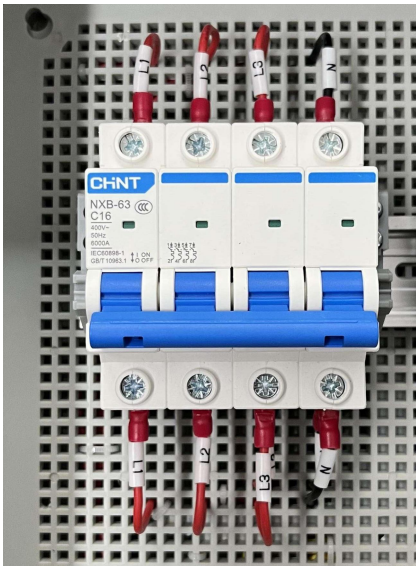
Back View

Waterproof plug with a cut



Wiring Connection

Air Switch

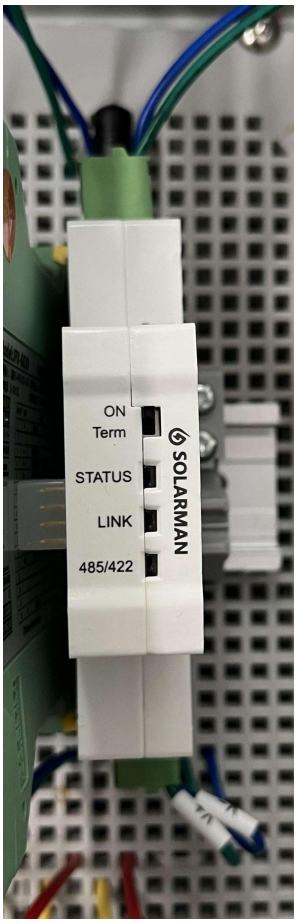


Whole View

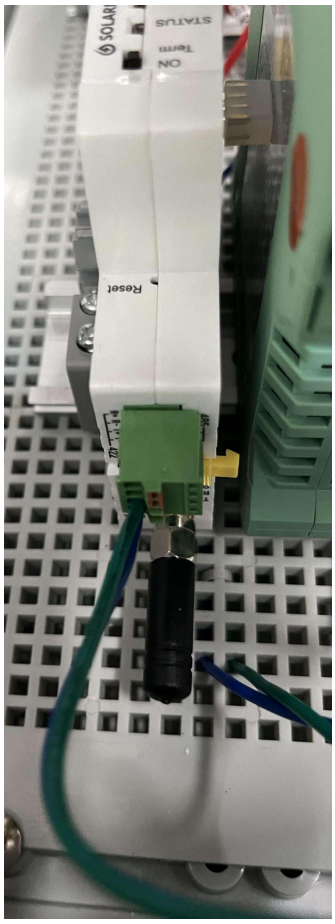
Wiring Connection-Lower Side

Wiring Connection-Upper Side

DIN-Rail Logger&Power Supply Device



Whole View

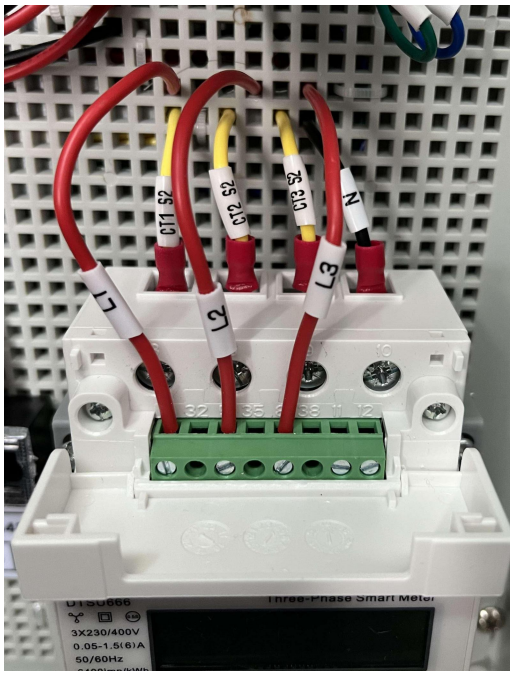


Logger RS485 Interface

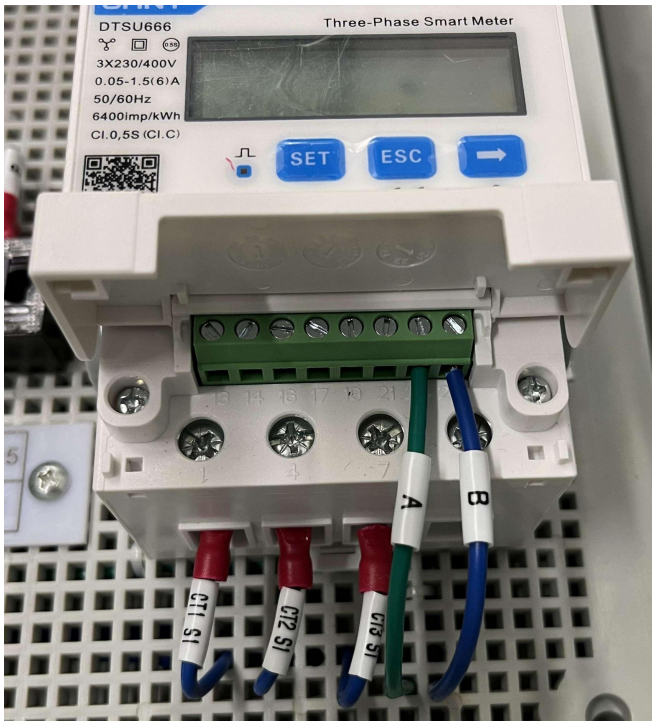
Power Supply Device DC Connection

Three-Phase Meter Connection

Whole View



Wiring Connection-Upper Side

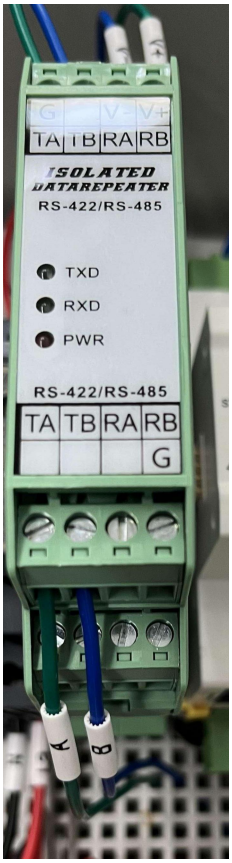


Wiring Connection-Lower Side

485 Repeater Connection

485 Repeater Whole View

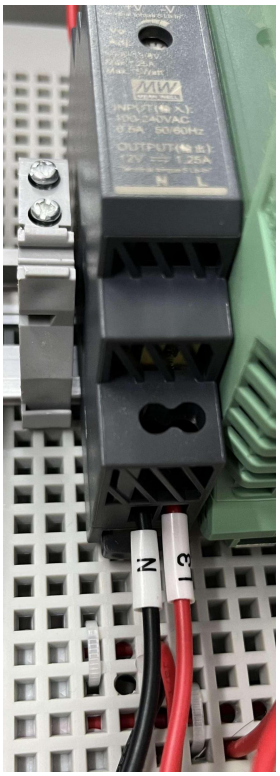
Wiring Connection-Upper Side



Wiring Connection-Lower Side

Power Connection

Power Supply Whole View



Input End

Output End

Packing

Label Information (Size: 460*390*280/Unit： mm)

Firmware Configuration

1	Domain Name	data1.solarmanpv.com,（solarman 2.0）
2	IP	47.88.8.200（solarman 2.0）
3	Port No.	10000（solarman 2.0）
4	APN	——
Data Forwarding		
access1.solarmanpv.com,47.102.152.71， 10000（solarman 3.0）		

Contact

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Website: www.solarman.cn

Product List

No.	Name	Model	Quantity
1	Anti-Reflux Box		1
2	Air Switch	NBX-63 C16	1
3	Three-Phase Meter	DTSU666	1
4	DIN-Rail Logger (WiFi/ETH)	LDW-1	1
5	Installation Hanging Hole	-	4
6	External Antenna	-	1
7	RS485/422 Repeater	JPX6030	1
8	MW Power Supply	HDR-15-12 Input AC85-265V or DC120-370V) Output DC12V	1
9	Expansion Screw	-	4
10	Screw	-	4
11	Repeater resistance		4