

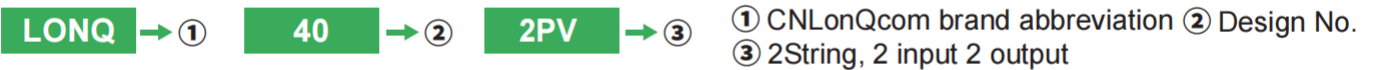
Function Introduction

Lonqi New Energy Technology has developed LONQ-40 DC series new energy disconnect switches through years of dedicated research on the operation of new energy systems at home and abroad and the needs of customers.

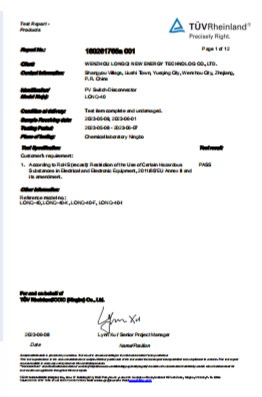
Product Features

- Quickly isolate circuits to ensure the safety of electricity consumption.
- Maximum rated voltage DC 1500V, maximum current 32A.
- Waterproof to IP66 for outdoor use.
- PV connectors are plug-and-play, with mounting holes reserved at the top and bottom of the housing, no need to destroy the housing by drilling, fast installation.

Model Name Meaning



Certification



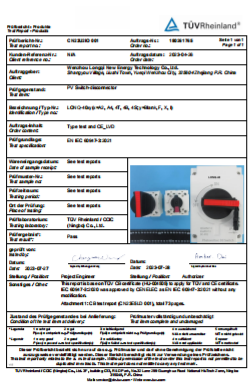
EU IPO

TUV

CB

UKCA

ROHS



CE

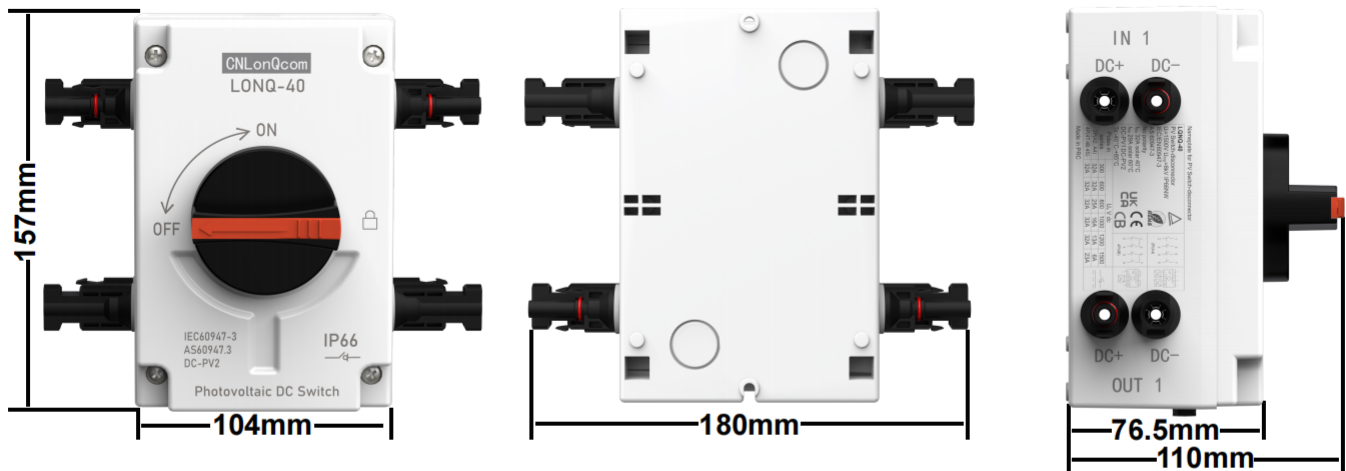
AZ

CCC

GTS

Patent

Main Technical Parameter



Technical Data

Model	LONQ-40-2PV					
Type	PV DC Disconnect Isolator Switch					
String	2 input 2output					
Rated Current In(A)	32	32	32	32	32	23
Rated Working Voltage Ue (V)	300	600	800	1000	1200	1500
Rated Insulation Voltage Ui (V)	1500V					
Pole	4P					
Rated Impulse Withstand Voltage Uimp (kV)	8					
Short-Time Withstand Current Icw (kA)	1					
Wiring Mode	Top left 1 in, bottom left 1 out, top right 2 in, bottom right 2 out					
Standard	IEC/EN60947-3 GB/T 14048.3					
Insolation Feature	Yes					
Levels of Protection	IP66					
Housing Material	PC					
Conductor Material	Copper					
Quality Certificate	TUV、CE、CB、UKCA、AZ、CCC、ISO9001、ROHS					
Mechanical Life (times)	20000					
Electrical Life (times)	6000					
Knob Positions	OFF at 9 hr , ON at 12 hr					
Operating Temperature	-40℃ to +85℃					
Humidity	95%					
Altitude	2000m					
Installation	Wall Mounting					

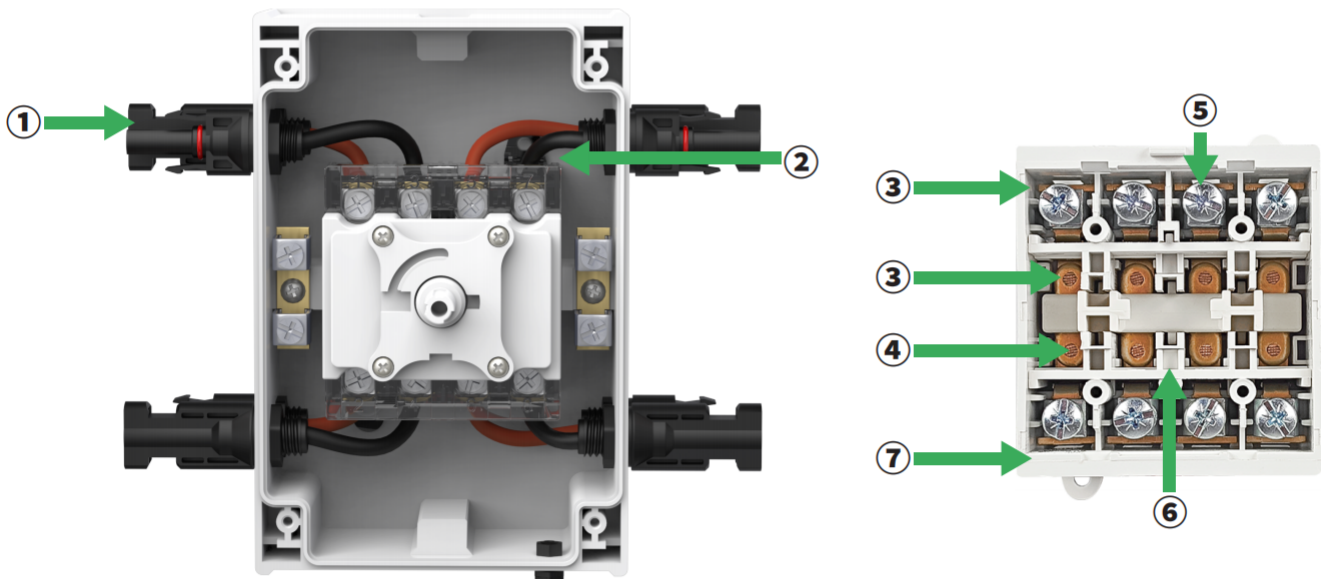
Size and Weight



Size and Weight

Product Size (mm)	L180*W157*H110
Product Weight (kg)	0.728
Individual Package Size (mm)	L190*W160*H115
Individual Package Weight (kg)	0.9
Packaging Details	1Pcs per inner box, 20Pcs per carton
Outer Box Size(cm)	L60*W40*H35
Outer Box Weight(kg)	20.4

Product Details



- ① **PV Connector:**Optional 1000V/1500V,30A/45A/60A,IP67
- ② **6mm² PV1-F PV Wire:**Maximum load voltage 1800V Current 55A
- ③ **Thick Copper Conductor:**Low resistance and low heat generation
- ④ **Silver Plated Contacts:**Anti-oxidation
- ⑤ **Corrosion Resistant Screws:**Salt Spray Tested
- ⑥ **Magnet:**Fast arc extinguishing
- ⑦ **PA Housing:**UL94V-0 flame retardant grade

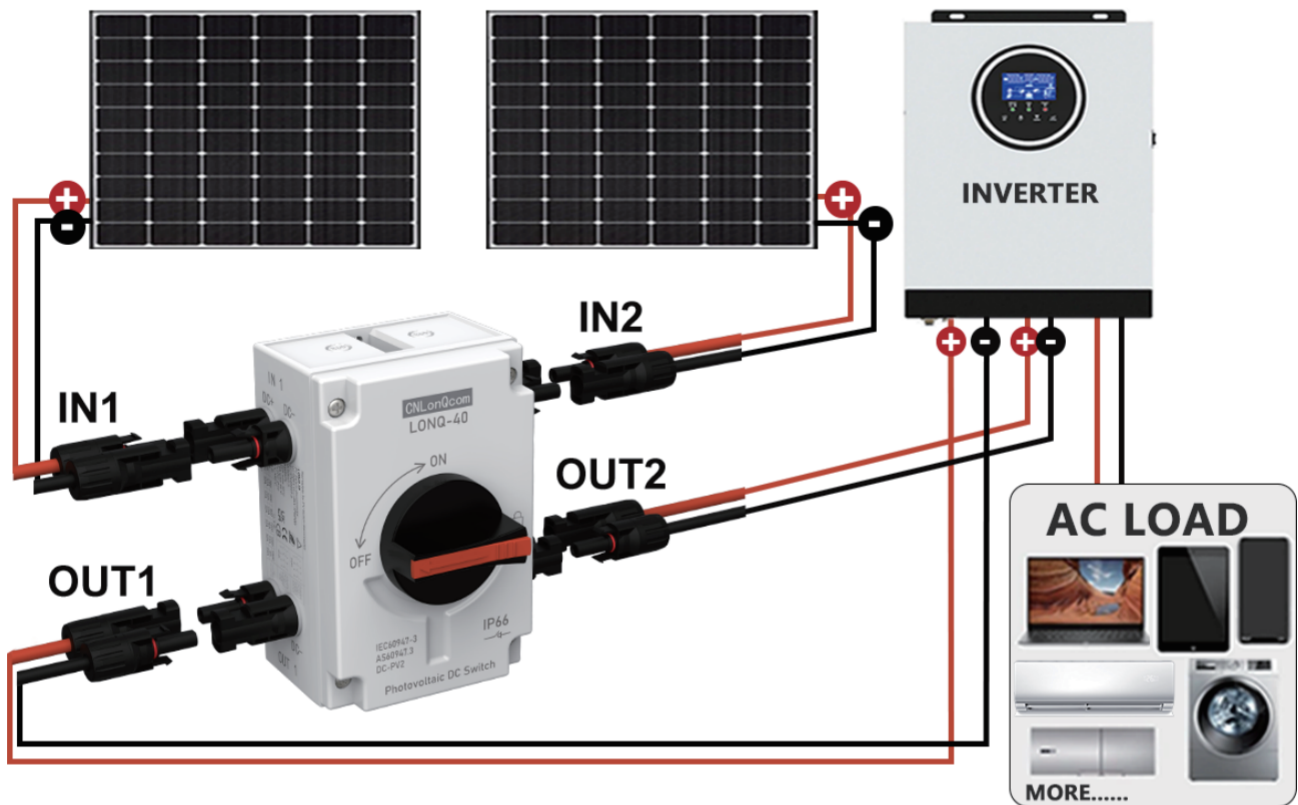
Contact Wiring Diagram

Contact Wiring Diagram			
Connect Method Code	Circuit Type	Wiring Diagram	Load Diagram
2P(A2)	2 poles in series for one string, 1 load		
2P(A4)	2 poles in series for one string, total 2 loads		
4P(4T)	4 poles in series, for one string		
4P(4B)	4 poles in series, for one string		
4P(4S)	4 poles in series, for one string		

Tip:

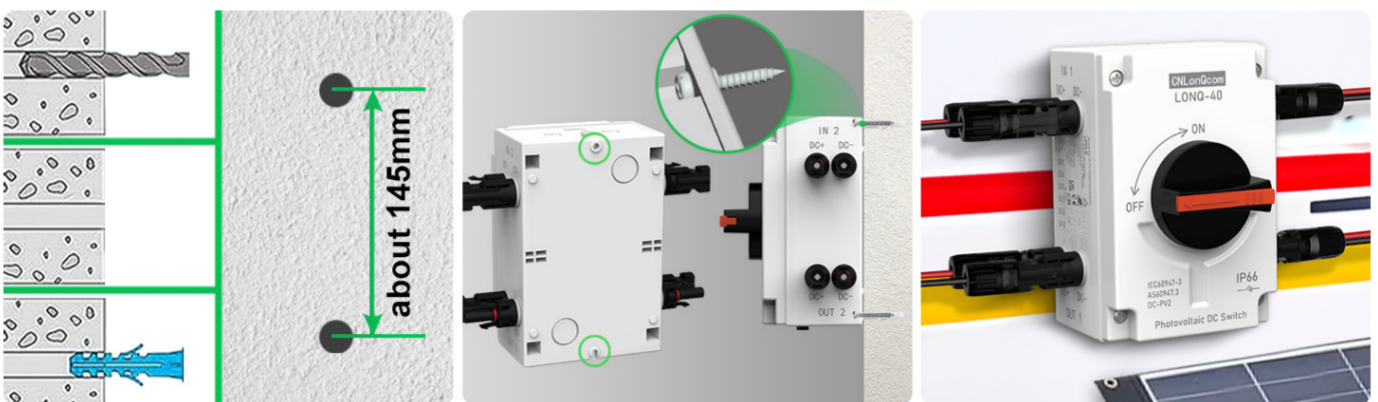
- ① Please disconnect the power supply when installing the wiring, it is better to ask professional electricians to install.
- ② Installation in cramped, humid or hot environments should be avoided as much as possible
- ③ The wiring of the disconnect switch must be correct and reliable to prevent poor contact, short circuit and other phenomena in. In the wiring process, the appropriate wire diameter and wiring method should be used to ensure that the wiring is firm and reliable. Also pay attention to the color and marking of the wiring, so as to facilitate future maintenance and overhaul.

Wiring Method



Wall Mount

Tip: Wiring first or mounting on the wall first can be chosen according to individual needs.



① Perforation

Use a drill bit to cut holes in the wall at appropriate locations and insert expansion tubes.

② Mounting

Screw into the pre-drilled holes at the top and bottom of the box.

③ Connect Wire

Linking of the cables with PV connectors, completion of the PV protection system installation.

Supplied with Accessories

① Expansion Tube*4

Put into the wall holes to make the screws more secure when they go in

② Mounting Screw*4

Corrosion-resistant, passes 48-hour salt spray test, Phillips screwdriver recommended for mounting

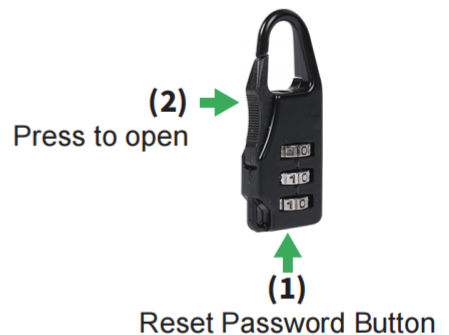


③ Combination Lock

This lock is set to open at '000' during production. You can customise the reset to a new combination.

To reset your password:

1. Rotate the passcode to the correct position, then press and hold the bottom round button (1).
2. Turn the password to change it to the desired password and finally release the button (1).



Lock Installation



① Push Handle

Push the red part above the handle to the right to expose the hole.

② Mounting

Snap the combination lock into the hole

③ Rotary Code Dial

Installation complete. Mess up the password.

More Accessories



PV Connector

2 to 1 Connector

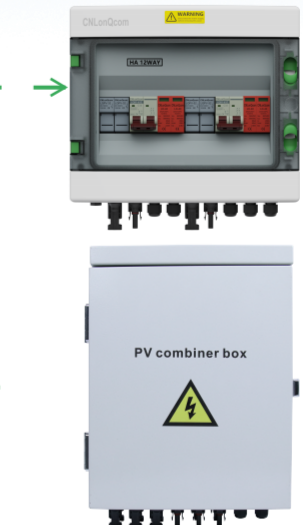
Fuse Connector

Diodle Connector

PV Extension Cable

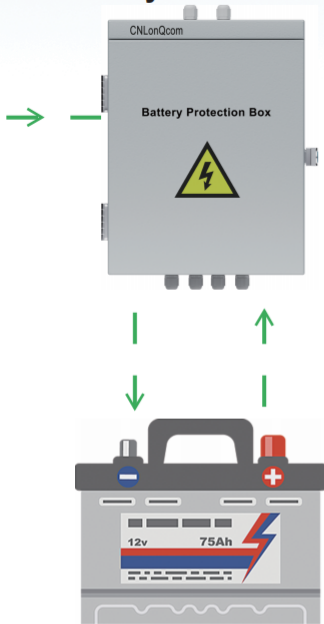
Complete Solutions for The Protection of PV Systems

① PV Connector Series ② PV Disconnect Switch ③ PV Combiner Box



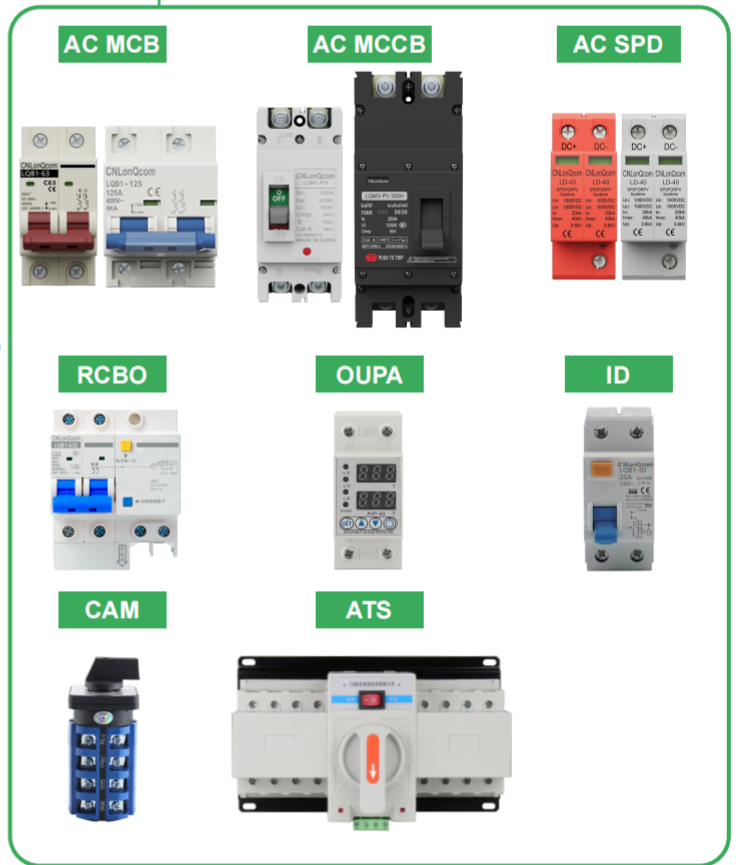
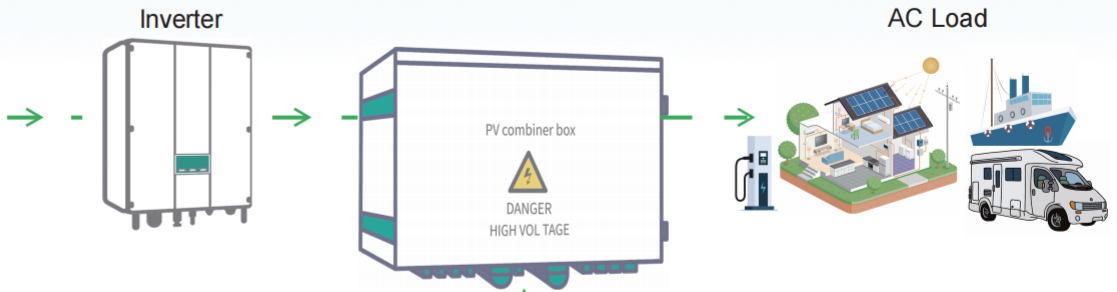
Complete solutions for the protection of AC systems

④ Battery Protection Box



Battery Pack

⑤ AC Combiner Box



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For more DC and AC circuit protection products please contact us!



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