

PV DC Isolator Switches



True DC Switch

BYHR Series DC Isolator Switch
The Newest development from ZJBENY
Hot product for PV market

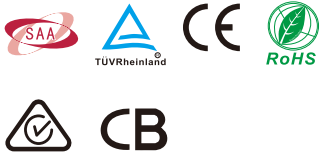
With over-voltage and over-current protection
Make the solar energy system more safe

IP66 and quick connector for easier outdoor installation

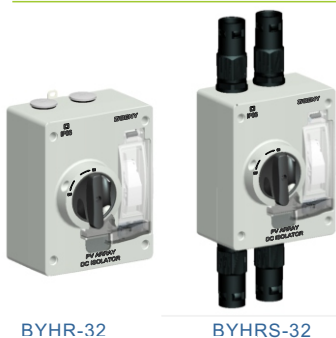
Switch Patent No.: ZL 201420458658.2
Quick Connector Patent No.: ZL 201420835320.4

www.zjbeny.com benyi@zjbeny.com

BYHR Series DC Isolator Switches



- 1 Waterproof Plug
- 2 IP66 Ingress Protection
- 3 Sealed Plug
- 4 Knob
- 5 BE LOCKABLE
- 6 Brand
- 7 ON
- 8 OFF
- 9 Visible window for DC fuse holder
- 10 Transparent cover



BYHR-32

BYHRS-32



Accessories

Application

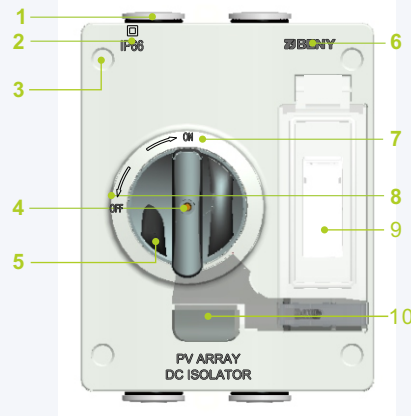
ZBENY BYHR-32 DC isolator switch is applied in 1-20kw PV systems. BYHRS-32 series assemble with our original design patented product: Quick Connector (No need to open the enclosure for wiring, finish the wiring by the connector quickly and directly) More reliable electrical performance than traditional connector. Lower resistance makes higher efficiency.

This series with DC fuse holder is higher efficiency and more reliable performance. Rated working voltage up to 1000V, Rated current 32A

Feature

- Pre-wired DC Main Switch with joint (Optional)
- IP66, UV Resistance
- Non polarity
- Arcing Time < 3ms
- "OFF" Position Lockable
- Earth Terminal
- IEC/EN 60947-3
- 2 Pole, 4 Poles Available (Single | Double String)
- DC-21B
- 32A up to 1000VDC

Appearance Introduction



Parameter

Electrical Characteristics		
Type	BYHR-32	BYHRS-32
Function	Isolator, Control	
Comply with	IEC 60947-3	
Pole	4P	
Max Rated Current	32A	
Rated Working Voltage	Ue	1000V DC
Rated Current	In	32A
Rated Insulated Voltage	Ui	1000V DC
Rated Impulsed Voltage	Uimp	8KV
Service Life/Cycle Operation		
Mechanical	20000	
Electrical	2000	
Installation Environment		
Ingress Protection	IP66	
Storage Temperature	-40°C ~ +85°C	

BYHR Series PV DC Isolator Switches

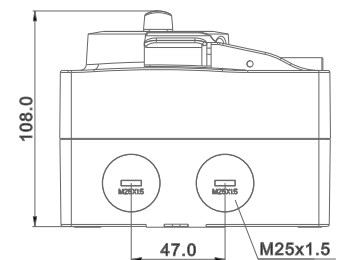
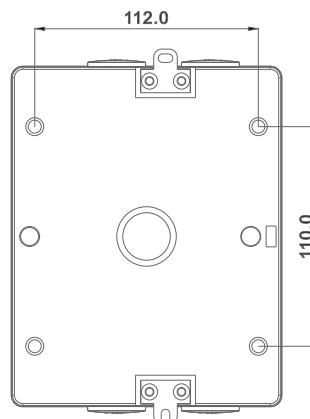
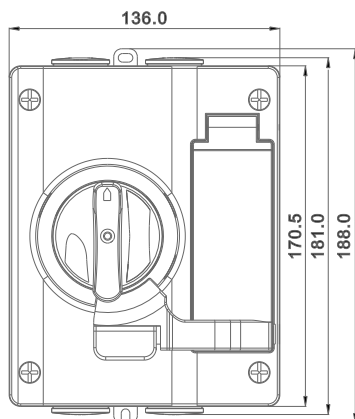
Wiring Diagram

Contacts wiring diagram	600V	1000V	Poles in series	Number of Strings	Type Number	Weight kg/PCS
	32A	13A	2	1	BYHR-32 PEL 2	
	32A	32A	2	1	BYHR-32 PEL 4S	
	32A	32A	4	1	BYHR-32 PEL 4B	

Switching Configurations

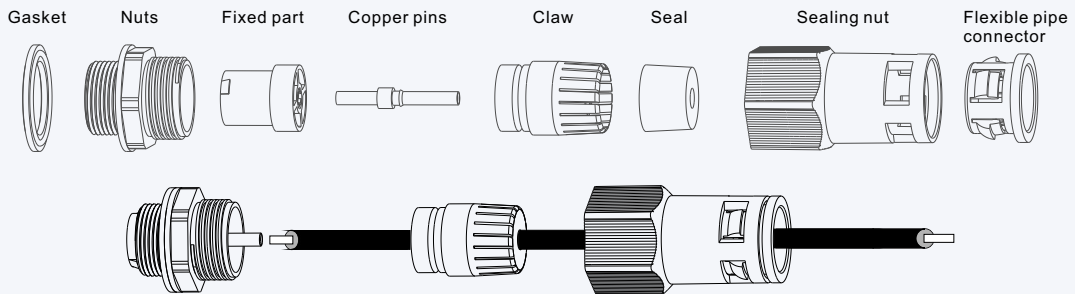
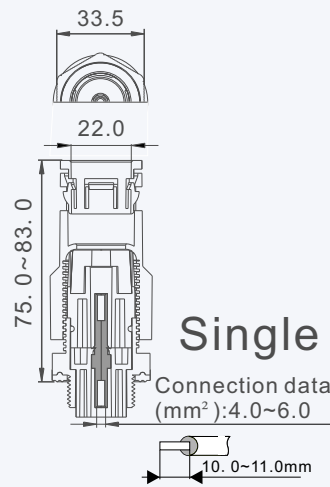
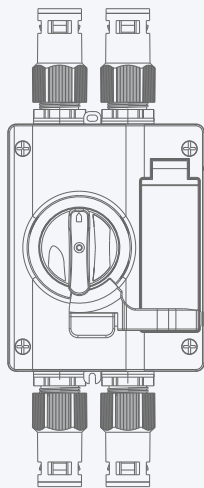
Type	2-pole	4-pole with Input on top Output bottom	4-pole with Input and Output bottom
BYHR-32	2	4S	4B
Contacts Wiring graph			
Switching example			

Dimensions(mm)



BYHRS-32

Single core joint



Double core joint

