



4 Pole Panel Mounted DC Isolator Switch

ADELS® is a professional manufacturer and supplier of 4 Pole Panel Mounted DC Isolator Switch in China. PM1-2P series is a panel mounted inverter special switch. The DC isolation switch is specially developed and manufactured according to IEC60947-3 standard, which is used in the DC side of solar inverter,

improving the safety and stability of photovoltaic system. Up to 32A 1200VDC 4 pole is especially suitable for inverters, panel mounted 4x screws, 64x64 escutcheon plate, grey housing and black rotating handle, beautiful and generous appearance, made of high quality plastic material, strong durability, excellent equipment performance, compact design can save space. If you have any questions about this product, please contact us.

Model:PM1

As a professional high quality 4 Pole Panel Mounted DC Isolator Switch manufacturers, you can rest assured to buy 4 Pole Panel Mounted DC Isolator Switch from ADELS® and we will offer you the best after-sale service and timely delivery.

4 Pole Panel Mounted DC Isolator Switch

- IP20 Protection Level
- Panel mounted (4 xscrews)
- Specially for inverters (Max.1200V / 32A)
- 2 Pole, 4 Pole are available (Single/Double String)
- Standard: IEC60947-3, AS60947.3
- DC-PV2, DC-PV1, DC-21B
- 16A, 25A, 32A, 1200V DC

4 Pole Panel Mounted DC Isolator Switch Application

ADELS PM1 Series DC Isolator Switches are applied to 1~20 KW residential or commercial photovoltaic system, placed between photovoltage modules and inverters. Arcing time is less than 8ms, that keeps solar system more safe. To ensure its stability and long service life, our products are made by components with optimum quality. Max voltage is up to 1200V DC. It holds a safe lead among similar products.

Wenzhou Feimai Electric Co., Ltd.

Address:No.75 Xinguang Avenue, Xinguang Industrial Zone, Liushi, Yueqing City, Zhejiang Province, P.R.China.

Phone:+86-13968753197

Fax:+86-577-62797770

Tel:+86-577-62797750

E-mail:sale@adels-solar.com

PMI -2P Series DC Isoator switches



4 Pole Panel Mounted DC Isolator Switch Parameter

Electrical Characteristics	
Type	FMPV16-PM1,FMPV25-PM1,FMPV32-PM1
Function	Isolator,Control
Standard	IEC60947-3.AS60947.3
Utilization category	DC-PV2/DC-PV1/DC-21B
Pole	4P
Rated frequency	DC
Rated operational voltage(Ue)	300V,600V,800V,1000V,1200V
Rated operational voltage(Ie)	See the next page
Rated insulation voltage(Ui)	1200V
Conventional free air themal current(Ithe)	//
Conventional enclosed thermal current(Ithe)	Same as Ie
Rated short-time withstand current(Icw)	IkA.Is
Rated impuled withstand voltage(Uimp)	8.0kV
Overvoltage category	II
Suitability for isolation	Yes
Polarity	No polarity,"+"and"-polarities could be interchanged
Service life/cycle operation	
Mechanical	18000
Electrical	2000
Installation Environment	
Ingress protection Switch Body	IP20
Storge temperature	-40°C ~+85°C
Mounting Type	Vertically or horizontally

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Pollution degree	3
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Rated Voltage / Rated Current

Wiring	Type	300V	600V	800V	1000V	1200V
2P	FMPV16 series	16A	16A	12A	8A	6A
	FMPV25 series	25A	25A	15A	9A	7A
	FMPV32 series	32A	27A	17A	10A	8A

Wiring	Type	300V	600V	800V	1000V	1200V
2P/4P	FMPV16 series	16A	16A	12A	8A	6A
	FMPV25 series	25A	25A	15A	9A	7A
	FMPV32 series	32A	27A	17A	10A	8A
4T/4B/4S	FMPV16 series	16A	16A	16A	16A	16A
	FMPV25 series	25A	25A	25A	25A	25A
	FMPV32 series	32A	32A	32A	32A	32A
2H	FMPV16 series	35A	35A	/	/	/
	FMPV25 series	40A	40A	/	/	/
	FMPV32 series	45A	40A	/	/	/

Switching Configurations

Type	2-pole	4-pole	2-pole4-pole in series Input and Output bottom	2-pole4-pole in series Input and Output on top	2-pole4-pole in series Input on top Output bottom	2-pole 4 paralleled Poles
/	2P	4P	4T	4B	4S	2H
Contacts Wiring graph						

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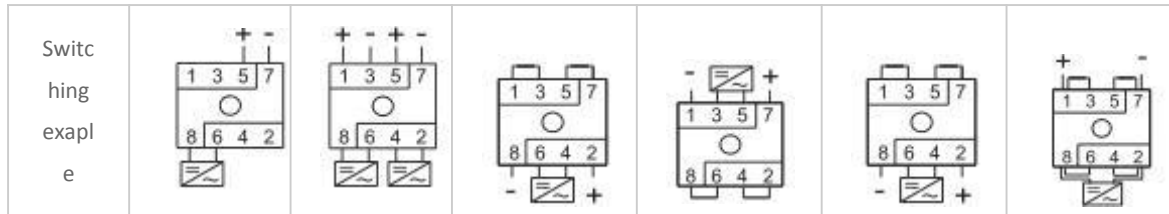
Address:No.75 Xinguang Avenue, Xinguang Industrial Zone, Liushi, Yueqing City, Zhejiang Province, P.R.China.

Phone:+86-13968753197

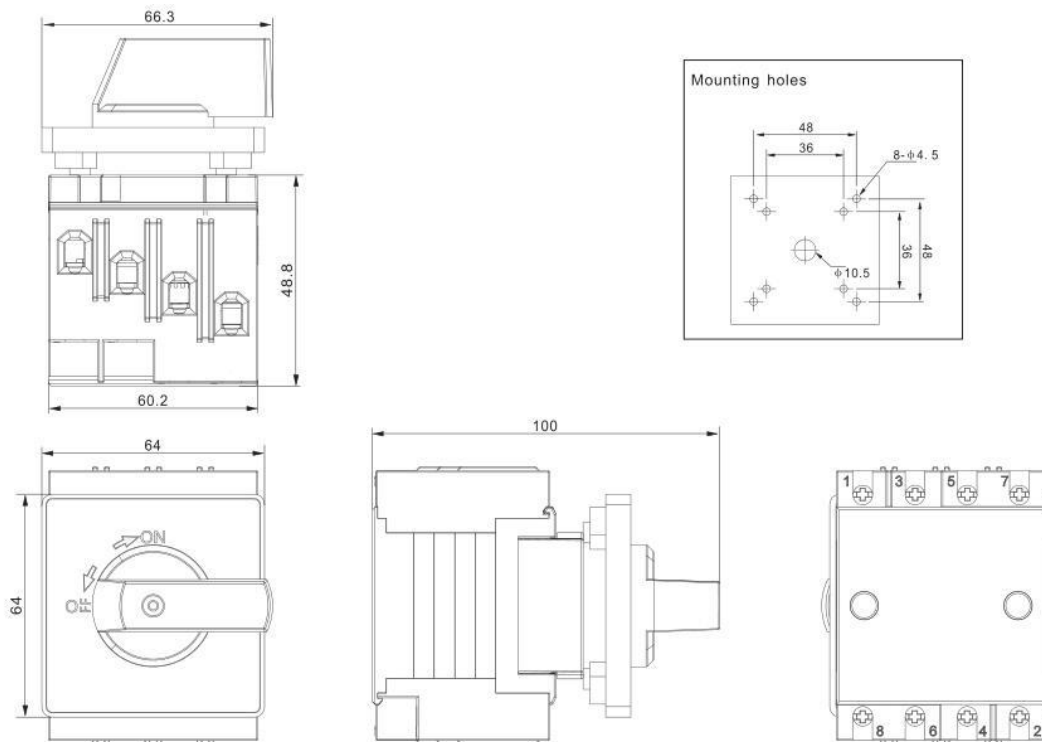
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Dimensions(mm)



The PM1 Series 4 Pole Panel Mounted DC Isolator Switch have been specifically designed to switch Direct Current (DC) at voltages up to 1200Volts. Their robust design and ability to switch such voltages, at rated current, mean that they are ideally suited to be used in the switching of Photovoltaic (PV) systems.

The DC switch achieves ultra-rapid switching through a patented 'Snap Action' spring driven operating mechanism. When the front actuator is rotated, energy is accumulated in the patented mechanism until a point is reached at which the contacts are fired open or closed. This system will operate the switch under load within 5ms thereby reducing the arcing time to a minimum.

In order to reduce the chances of an arc propagating, the PM1 Series switch employs rotary contact technology. This is designed to make and break the circuit through a revolving double break contact assembly that wipes as it moves. The wiping action has the added advantage of keeping the contact faces clean thereby reducing the circuit resistance and increasing the life of the switch.

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