

SIRCO *MC PV*

Disconnect switches for photovoltaic applications
up to 45 A, up to 1000 VDC, non polarized

AS/NZS 5033 / IEC 60947-3 /
follow CEC guidelines



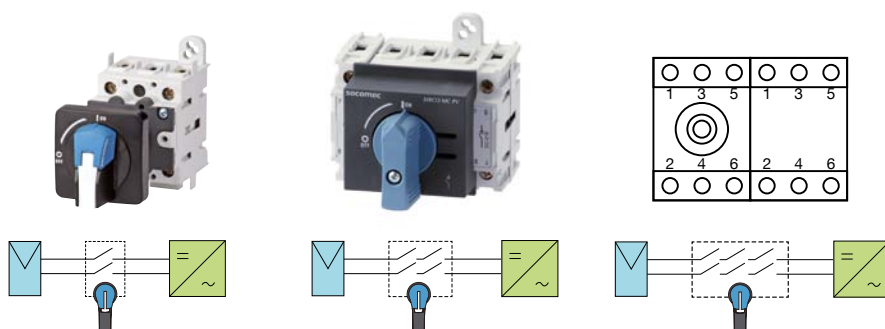
SIRCO MC PV a versatile solution

Several switching options depending of the current and voltage situation

Single circuit switching - 1 MPPT (Maximum Power Point Tracking)

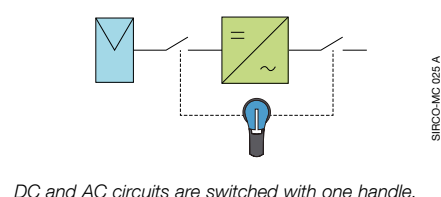
Specifically designed for photovoltaic applications, the SIRCO MC PV disconnect switches have been tested for use in applications with high performance characteristics that exceed

the requirements of the latest industry standards. Available from 2 poles to 6 poles, they will fit all applications, up to 45 A, 1000 VDC



Completely isolate the inverter within one operation AC and DC simultaneous switching

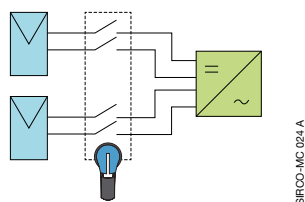
One single device can switch both DC and AC circuits, reducing the overall need for space within the inverter and allowing a voltage free maintenance of the inverter.



2 circuits switching - 2 MPPT (Maximum Power Point Tracking)

Due to its high performance the product for 2 circuits (2 MPPT, Multiple Power Points Tracking) allows the current interruption of two strings under higher voltage using a single compact switch.

This improves ergonomics, reduces overall product size, and improves safety.



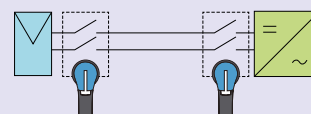
2MPPT switch, 2 circuits are switched together.



SIRCO MC PV - 2 MPPT - Quickfix

Standards for PV disconnect switches

Under AS/NZ 5033 it is required to install an isolator on the DC side of the inverter and on the roof next to the solar panel. It is also required that in a transformerless inverter installations, all switch configuration must have an even number of poles to be able to cope with the the full voltage on one leg of installations Follow CEC guidelines. Comply with IEC 60947-3.



Various mounting options

Base mounting

Back plate mouting by means of screws or on DIN rail



Direct operation



External operation



Single nut door mounting



Quickfix mounting

Panel mounting

The switch body is attached to the inside of the enclosure door.

Enclosed SIRCO MC PV

SIRCO MC PV is also available in non metallic polycarbonate 4x enclosure.



The selection guide

Which voltage ?

How many circuits ?

Which rating ?

Which mounting ?

		MOUNTING		REFERENCES	VOLTAGE	FULL SWITCH RATING	PER LEG RATING		SHROUD 2194 1004	SHROUD 3P 2194 3004	*BRIDGE 21090004		
600 VDC	1 MPPT	30 A	Back Plate/DIN		21PV 2102	400 V 500 V 600 V		45 A 30 A 30 A		16 A 10 A -	0 pcs	2 pcs	0pcs
		Door Std	21PV 2202										
		Quickfix	21PV 2302										
	45 A	Back Plate/DIN		21PV 5102	400 V 500 V 600 V		45 A 45 A 45 A		45 A 30 A 30 A	2 pcs	1 pc	2 pcs	
		Door Std	21PV 5202										
		Quickfix	21PV 5302										
2 MPPT	30 A	Back Plate/DIN		21PV 5102	400 V 500 V 600 V		45 A 30 A 30 A		16 A 10 A -	4pcs	2 pcs	0pcs	
	Door Std	21PV 5202											
	Quickfix	21PV 5302											
1000 VDC	1 MPPT	40 A	Back Plate/DIN		21PV 5102	400 V 500 V 600 V 700 V 800 V 900 V 1000 V		45 A 45 A 45 A 40 A 40 A 40 A 40 A		45 A 30 A 30 A 16 A 16 A 10 A 10 A	2 pcs	1 pc	2 pcs
		Door Std	21PV 5202										
		Quickfix	21PV 5302										
	40 A	Back Plate/DIN		21PV 6722	400 V 500 V 600 V 700 V 800 V 900 V 1000 V		45 A 45 A 45 A 40 A 40 A 40 A 40 A		45 A 45 A 45 A 32 A 32 A 25 A 25 A	0 pcs	2 pcs	2 pcs	
		Door Std											
		Quickfix											

* 1x 2109 0004 = pack of 10 pcs
8P switch are also available - Please consult us.

In case of high ambient temperature a de-rating will apply (please consult us).

Handles & accessories

SWITCH TYPE	MOUNTING	DIRECT OPERATION	EXTERNAL OPERATION		
		HANDLE (blue)	HANDLE		SHAFT
21PV 2xxx & 21PV 5xxx	Back Plate/DIN	2119 1012	2119 3312	Black	2107 0516
	Door Std		2129 0112	Blue	2107 0516
	Quickfix		2139 1212	Blue	2107 0516
21PV 6722	Back Plate/DIN	2119 1412	2119 3312	Black	2107 0516

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