

DC Switch disconnectors Ex9ASD



- Frame current: 2500A, 4000A
- Rated operating voltage: DC750V(3P)/1000V(4P)/1500V(4P)
- Rated current: 630A, 800A, 1000A, 1250A, 1600A, 2000A, 2500A, 3200A, 4000A
- Series connection and poles: Series connection 3P/4P
- Certification: CCC、CE、CB

SELECTION EXAMPLE: Ex9ASD-2500DC 20 4P FC DC220 This means ordering an Ex9ASD-2500DC DC isolation switch with a rated ordering an Ex9ASD-2500DC DC isolation switch with a rated current of 2000A, four-pole series connection, fixed type, C-type wiring, and a control circuit voltage of DC220V. Similarly, the space in model must be retained according to the example.

Note: The rated current of the 2500 frame is 630A~2500A; the rated current of the 4000 frame is 1250A~4000A

Type Key

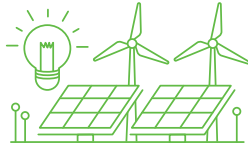
Ex9ASD	2500DC	25	3P	D	A	AC230	Other
↓	↓	↓	↓	↓	↓	↓	↓
Product Code	Frame current (DC application)	Rated current	Pole number code	Installation code	Wiring Method Code	Control circuit voltage code	Special request code
9ASD DC Switch Disconnector	2500DC	06:630A	3P	D:fixed	A: A-type connecting wire B: B-type connecting wire C: C-type connecting wire D: D-type connecting wire	AC230V AC400V	
		08:800A					
		10:1000A					
		12:1250A					
		16:1600A					
		20:2000A					
	4000DC	25:2500A	3P	F:withdrawable		DC220V DC110V	
		32:3200A					
		40:4000A					

APPLICATION

EX9ASD DC SWITCH DISCONNECTOR

SOLAR

- Used in concentrated inverter of the solar system, mainly for switch on/off and isolation.

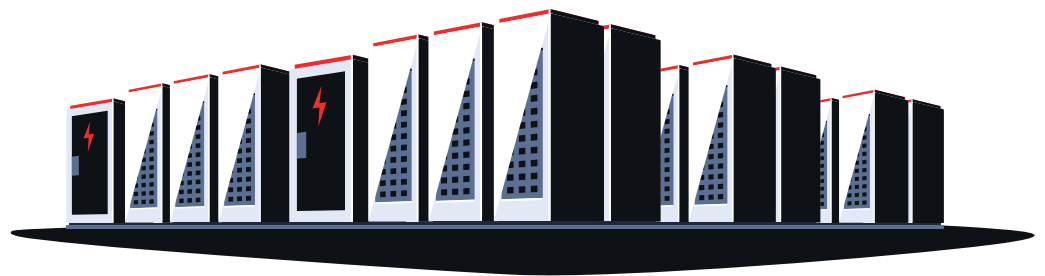


ENERGY STORAGE

- Mainly used for control and isolation, used widely in inverter, battery cluster etc.



BATTERY ⚡ STORAGE





Safe and worry-free

■ **High Safety**

High short circuit making ability, DC-23A can be made and broken more than 10 times, meeting DC-PV2 critical load current test requirements, achieving full current, nonpolarity and reliable arc extinguishing

■ **Wide temperature range**

Super environmental adaptability, reliable operation at minus 45 °C ~ 70 °C

■ **Long life**

DC750V electrical life ≥ 5000 times
DC1500V electrical life ≥ 3000 times

■ **High insulation**

Insulation voltage level up to 1600v



Stable and durable

■ **High altitude**

Suitable for use in areas with an altitude of 5000m

■ **Broad environmental applicability**

Meet the requirements for use in harsh environments such as salt spray, heat and humidity, and vibration

■ **Various utilization categories**

Categories include DC-22A, DC-23A, DC-PV2

■ **Complete accessories**

It can be equipped with up to 12 open and 12 closed auxiliary contacts to meet the diverse needs of customers.



Reliable operation

■ **High protection degree** IP30 protection degree

■ **Low temperature rise**

On the basis of meeting IEC 60947-3, there are options to further reduce the temperature rise.

■ **High short circuit withstand capability** DC1500V short-term withstand current up to 45kA/1s

■ **Easy installation**

Flexible and diverse wiring methods meet the needs of customers in the new energy industry and effectively improve operation and maintenance efficiency.

Parameters DC Switch Disconnectors Ex9ASD

Type		Ex9ASD-2500DC							Ex9ASD-4000DC					
Frame size		2500							4000					
Rated current Ie (A)		630	800	1000	1250	1600	2000	2500	1250	1600	2000	2500	3200	4000
Rated insulation voltage Ui (V)		1600												
Rated impulse withstand voltage Uimp (kV)		12												
Rated operating voltage Ue (V)		DC750V/1000V/1500V												
Series connection and poles		Series connection 3P/4P												
Total breaking time (S)		≤30												
Making time (S)		≤70												
Rated shortcircuit making capacity Icm (kA)	(DC750V)	80							100					
	(DC1000V)	52.5							100					
	(DC1500V)	45							100					
Rated Short time withstand capacity Icw (kA/1s)	(DC750V)	45							100					
	(DC1000V)	45							100					
	(DC1500V)	45							100					
Utilization categories		DC-22A, DC-23A, DC-PV2												
Electrical life		5000 (DC750V, time constant 2ms)							4000 (DC750V, time constant 2ms)					
		3000 (DC1000V, time constant 7.5ms)							1000 (DC1000V, time constant 2ms)					
		3000 (DC1500V, time constant 2ms)												
		2000 (DC1500V, tim constant 7.5ms)							800 (DC1500V, time constant 7.5ms)					
Mechanical life	(without maintenance)	15000							10000					
	(with maintenance)	20000							20000					
IP Degree		IP30												
Pollution degree		III												
Installation		fixed and withdrawable												
Wiring method of DC system		A, B, C, D												
Wiring method of main stream		horizontal/vertical/mixed												
Connection		top/bottom												
Dimensions(W*D*H)mm		370*390*311 (fixed 3P)							424*390*311 (fixed 3P)					
		465*390*311 (fixed 4P)							539*390*311 (fixed 4P)					
		376*426.5*406.5 (withdrawable 3P)							437*426.5*406.5 (withdrawable 3P)					
		470*426.5*406.5 (withdrawable 4P)							552*426.5*406.5 (withdrawable 4P)					

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