

## ADII Series PV Inverter DC Isolator Switch

ADII-2



- DIN Rail Mounting And Fixed Mounting
- Compact Structure
- Arcing Time < 3 ms
- Busbar Design, Easy Installation
- Flame-retardant
- Special Modular Design
- IEC 60947-3 Standard






### PARAMETER

Electrical Characteristics		
Type		ADII-2
Conventional free air thermal current	I <sub>th</sub>	50 A
Rated Impulsed Voltage	U <sub>imp</sub>	8 kV
Rated short-time withstand current (1s)	I <sub>cw</sub>	1.5 kA
Rated short-circuit making capacity	I <sub>cm</sub>	2.0 kA
Rated conditional short-circuit current		8 kA
Installation Environment		
Utilization category DC		DC-21B
Number of cycles of operation(With current)		300
Number of cycles of operation(Without current)		10000
Pole		2, 4, 6, 8
Mounting		Standard DIN Rail
Tightening torque terminal screws M4, min. - max.	3.0 N.m	3.5 N.m
Tightening torque panel mounting nut, min. - max.	0.5 N.m	0.7 N.m
Ambient temperature allowed between		-40 °C - +85 °C
Storage temperature allowed between		-40 °C - +85 °C
Relative Humidity		90%
Pollution degree		2
IP rating terminals		IP66




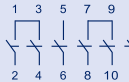






### APPLICATION

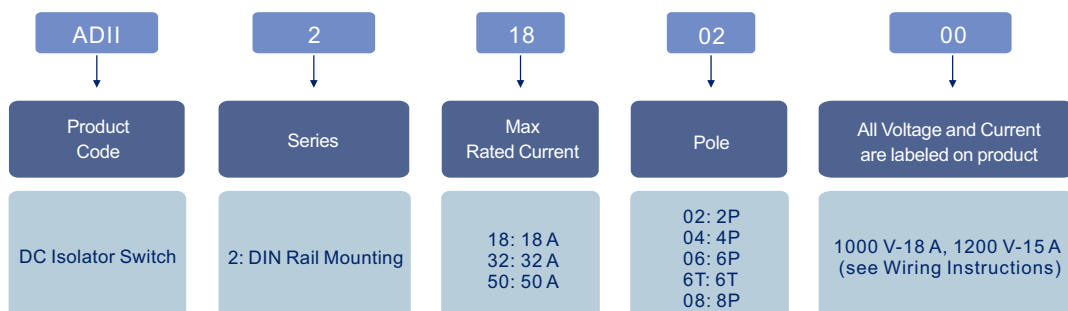
ADLER's ADII series DC Isolator Switches are designed for PV solar power systems, in applications between 1-200 kW, especially for use in inverters, controllers and solar DC combiner boxes. The ADII can operate at a maximum Voltage of 1500 VDC, with rated current of 50 A, combining innovative design with a compact structure.

**WIRING INSTRUCTIONS**

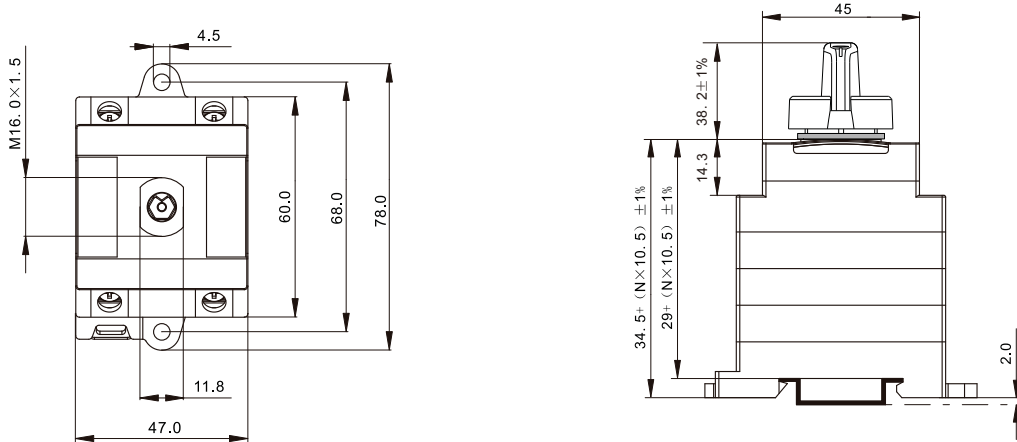
Product Picture	Part Number	All Voltage and Current are labeled on product			Pole in series	Number of Strings
		1000V	1200V	1500V		
	ADII2180200	18A	15A	/	2	1
	ADII2320200	32A	25A	/	2	1
	ADII2500200	50A	40A	16A	2	1
	ADII2180400	18A	15A	/	2	2
	ADII2320400	32A	25A	/	2	2
	ADII2500400	50A	40A	16A	2	2
	ADII2180600	18A	15A	/	2	3
	ADII2320600	32A	25A	/	2	3
	ADII2500600	50A	40A	16A	2	3
	ADII2506T00	/	50A	40A	3	2
	ADII2180800	18A	15A	/	2	4
	ADII2320800	32A	25A	/	2	4
	ADII2500800	50A	40A	16A	2	4

**SWITCHING CONFIGURATIONS**

Pole	02: 2P	04: 4P	06: 6P	6T: 6T	08: 8P
Contacts Wiring diagram					
Switching example					

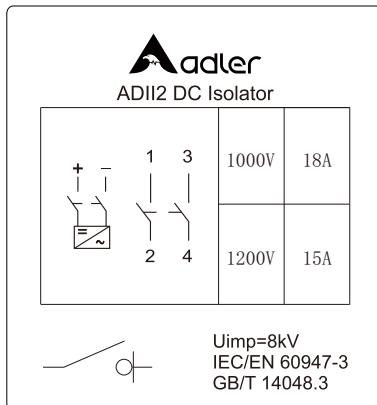
**MODEL NUMBERING DEFINITIONS**


**DIMENSIONS (mm)**

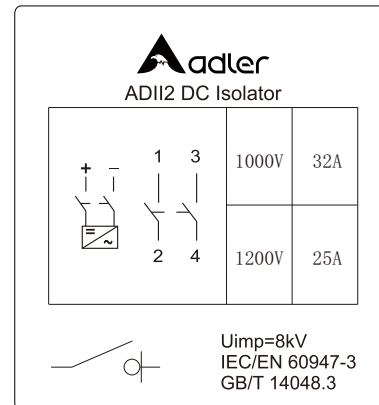


**LABEL:**

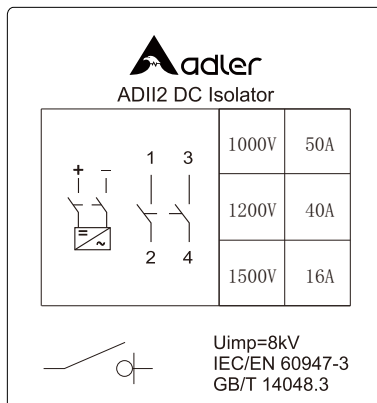
**ADII2, Max Rated Current: 18A  
2P/4P/6P/8P**



**ADII2, Max Rated Current: 32A  
2P/4P/6P/8P**



**ADII2, Max Rated Current: 50A  
2P/4P/6P/8P**



**ADII2, Max Rated Current: 50A  
6T**

