DC Arc Fault Detector

| DIN Rail Type | On-Board Type | High Current Type |

Product Features

Quick Integration Easy to Embed
Modular design, easy installation and fast integration

Adopted by Over 60 Inverter Manufacturers
The AFD module is compatible with most mainstream inverters available on the market, Adopted by 60+ companies

10 Years of Arc Fault Detection Experience
Rapid response to abnormal current fluctuations

Supports OTA and Remote Learning
Supports seamless system updates, greatly reducing the frequency of on-site maintenance

PV Arc Fault Detector

Model	FR-DCMG-AS4A	FR-DCMG-AS4B	FR-DCMG-AS4C	FR-DCMG-AS2B	FR-DCMG-AS2C
Max. Number of Detection Channels	4			2	
Max. Input Current	75 mA			60 mA	
Max. Power Consumption	0.4 W			0.3 W	
Current Detection Range	-20 A ~ +20 A	-20 A ~ +32 A	-48 A ~ +48 A	-20 A ~ +32 A	-48 A～+48 A
Installation Method	DIN Rail	On-board			
Dimension	81*43*42 mm	120*26*29.5 mm		60*26*29.5 mm	
Max. Loop Detection Distance	1600 m				
Arc Type	UL1699B(Type 1)				
Imbalance offset	≤ ±0.2 A				
Temperature	≤ ±0.01 A/°C				
Linearity	≤1%FS				
Communication Protocol	Modbus-RTU				
Baud Rate	9600 bps				
Byte Format	8N1				
Power Supply Input Voltage	5 Vdc±0.2 Vdc				
Operating Ambient Temperature Range	-30 °C ~ +85 °C				
Operating Humidity	0 ~ 95 %				
IP Rating	IP20				
OTA method	Realized by modifying core parameters through communication				

ESS Arc Fault Detector - High Current Type

Model	FR-DCMG-AS1E
Communication Method	RS485
Current Range	-300 A ~ +300 A
Current Accuracy	±5% FS
Operating Temperture	-30 °C ~ 85 °C
Mounting Method	Busbar installation (no drilling required)
Dimension	86*64*34 mm
DO Drive Capability	24 Vdc/100 mA
Supply Voltage	10 V ~ 25 V
Arc Detection Type	UL1699B (Type 1)
OTA method	Realized by modifying core parameters through communication