

FPVM ▶▶

Solar DC Moulded Case Circuit Breaker (DC MCCB)

CCC CE RoHS



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► Application

FPVM series Moulded Case Circuit Breaker is designed to distribute power and protect the circuit and power equipment against overload in solar system. It is apply to rating current 1250A or less, direct current rating voltage 1500V or less. Products according IEC60947-2, GB14048.2 standard.



► Specifications

Model		FPVM-125			FPVM-250			FPVM-400			FPVM-630			FPVM-800			FPVM-1250		
Rated Continuous Current		125			250			400			630			800			1250		
Rated Current In (A)		16, 20, 25, 32, 40, 50, 63, 80, 100, 125			100, 125, 140, 160, 180, 200, 225, 250			250, 315, 350, 400			400, 500, 630			630, 700, 800			800, 1000, 1250		
Rated Operating Voltage Ue (V) DC		550V 750V 1000V 1500V			550V 750V 1000V 1500V			750V 1000V 1500V			750V 1000V 1500V			750V 1000V 1500V			750V 1000V 1500V		
Rated Insulation Voltage Ui (V)		1500V			1500V			1500V			1500V			1500V			1500V		
Uimp (kV)		8kV			8kV			8kV			8kV			8kV			8kV		
Test Voltage One Minute (V)		3550			3550			3550			3550			3550			3550		
Breaking Capacity (kA) Icu (1cs=75% Icu)		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
	250V	25	35	50	35	50	65	35	50	65	35	50	65	50	65	80	50	65	80
	500V	25	25	50	35	35	65	35	35	65	35	35	65	50	50	80	50	50	80
	750V	25	15	50	35	25	65	35	25	65	35	25	65	50	35	80	50	35	80
	1000V	25	10	50	35	15	65	35	15	65	35	15	65	50	20	80	50	20	80
Mechanical Life	Times	7000			7000			4000			4000			2500			2000		
Electrical Life	Times	2000			2000			1000			1000			800			600		
Breaking Times (ms)		20			20			20			20			20			20		
Installation Location		Any place																	
Isolator Capacity		Yes																	
Standard		IEC 60947-2, IEC60947-1, GB 14048.1, GB 14048.2																	
Temperature (℃)		-25℃ ~+50℃																	
Protection Degree		IP20																	
Accessory		OF/SD/MX																	
Arcing Distance (mm)		≥50																	

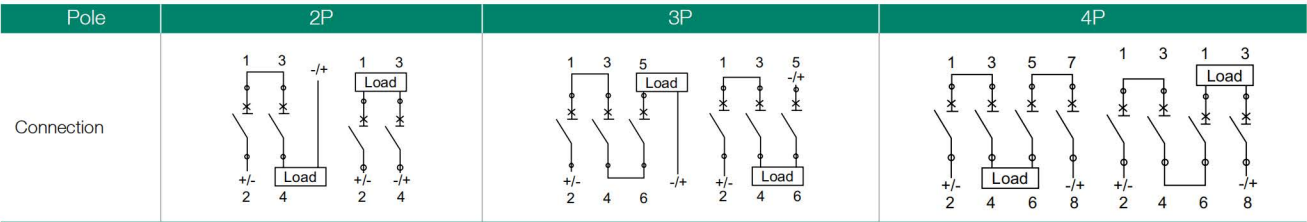
► Application conditions

- Altitude : less than 2000m (please specify when it's higher than 2000m).
- Ambient temperature : -40~+70
- Dampproof Moisture-resistant

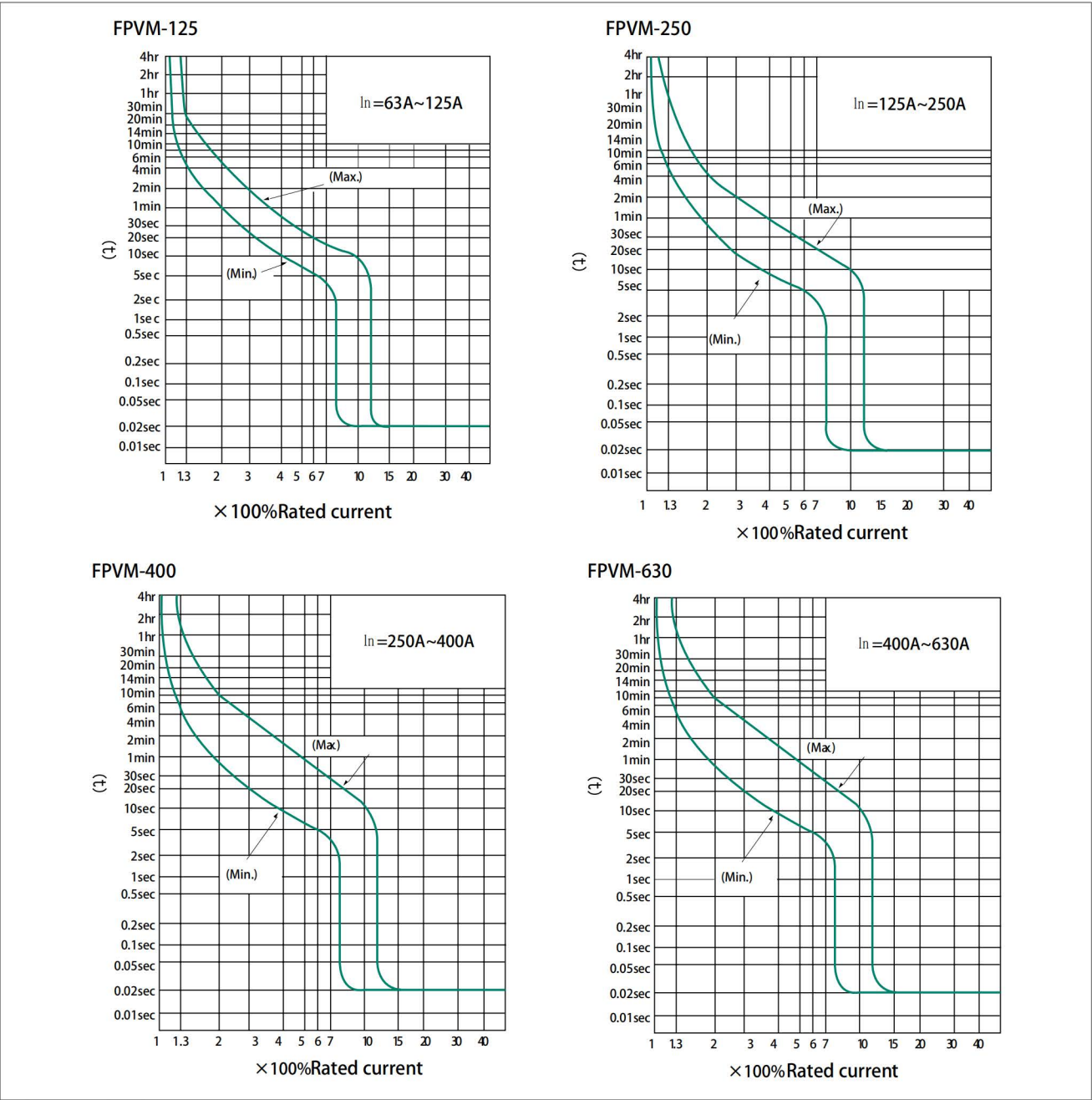
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► Connection



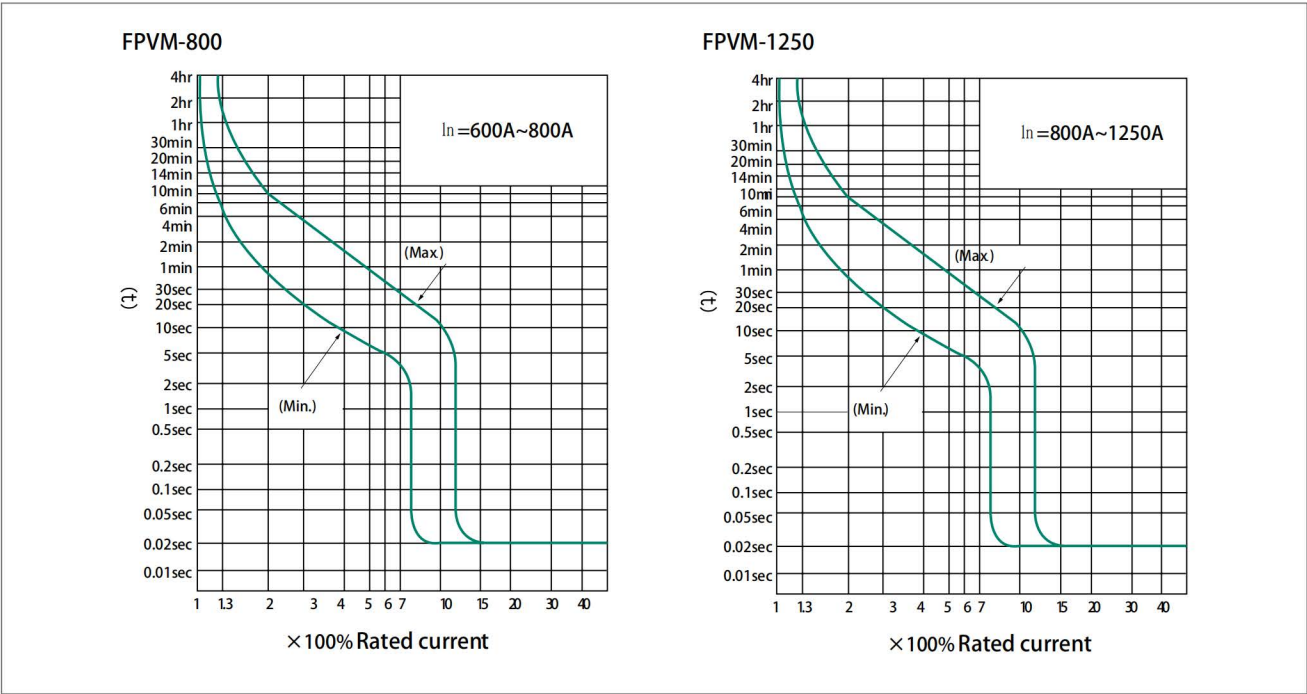
► Characteristic Curve



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► Characteristic Curve



► Details

