

BDM Series

PV DC Moulded Case Circuit Breaker

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- 2 Type
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- 4 Rated Voltage
- 5 Breaking Capacity
- 6 Operation Breaking Capacity
- 7 Standard Code
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- High Short-Circuit/Breaking Capacity
- Protection Functions: Overload, Short circuit , Unfrequent Operation
- Rated Voltage up to 500V DC
- Rated Current 125A / 250A
- IEC60947-2, GB14048-2
- Easy Installation



BDM-125
With IP65 Enclosure

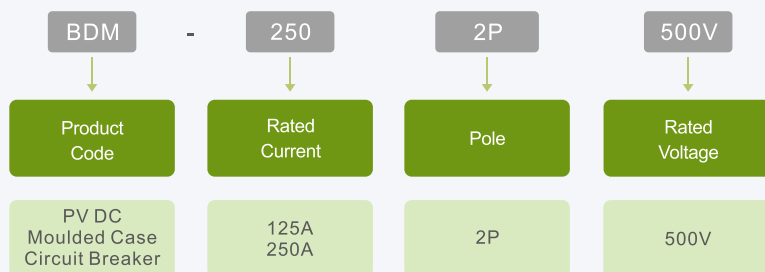
Application

ZBENY BDM series PV DC Moulded Case Circuit Breaker (MCCB) are mainly used in large solar power system, which are applied for solar DC combiner box ,inverter and DC power distribution cabinet. Rated voltage up to 500V DC, current up to 250A , with the function of overload protection and short-circuit protection.

Appearance Introduction



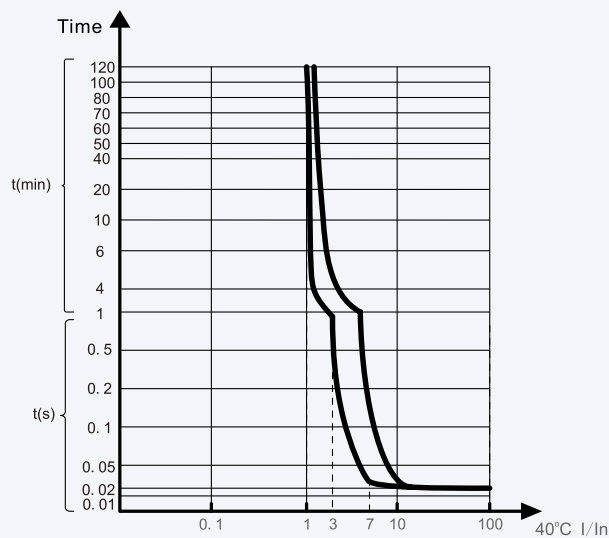
Type Instruction



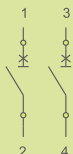
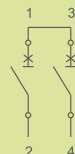
Parameter

BD series PV DC MCCB					
Type		BDM-125		BDM-250	
Pole		2P			
Rated Current		125A		250A	
Electrical Characteristics					
Rated Working Voltage		Ue	500V DC		
Rated Current		In(A)	65A, 80A, 100A, 125A	125A, 160A, 200A, 250A	
Rated Insulated Voltage		Ui	500V DC		
Rated Impulsed Voltage		Uimp	8KV		
1 Min Power Frequency Withstand Voltage			3.8 KV		
Ultimate Breaking Capacity			15 KA		
Run Breaking Capacity			15 KA		
Protection					
Tripping Type		Thermal Magnetic Type			
Control And Indication					
Control Mode	Manual	Direct (RHD)	Optional		
		Extended(ERH)	Optional		
		MOD	Optional		
Shunt Release (SHT)			Optional		
Auxiliary Release			Optional		
Terminal End Cover			Yes		
Interphase Barriers			Yes		
Service Life/Cycle Operation					
Mechanical			10000		
Electrical			2000		
Size (L x W x H)			150.5x64.5x119mm		164.5x79.5x118mm
Ingress Protection			All Sides IP40 ,Connection Terminal IP20		
Installation Environment					
Comply With			IEC60947-2/GB14048.2		
Storage Temperature			-40℃ ~ +70℃		

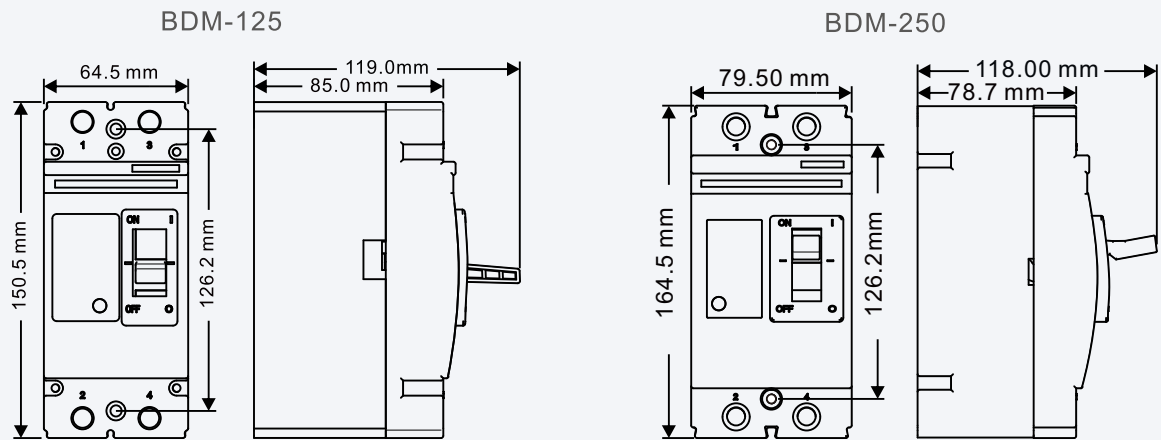
Characteristic Curve



DC Circuit Breakers

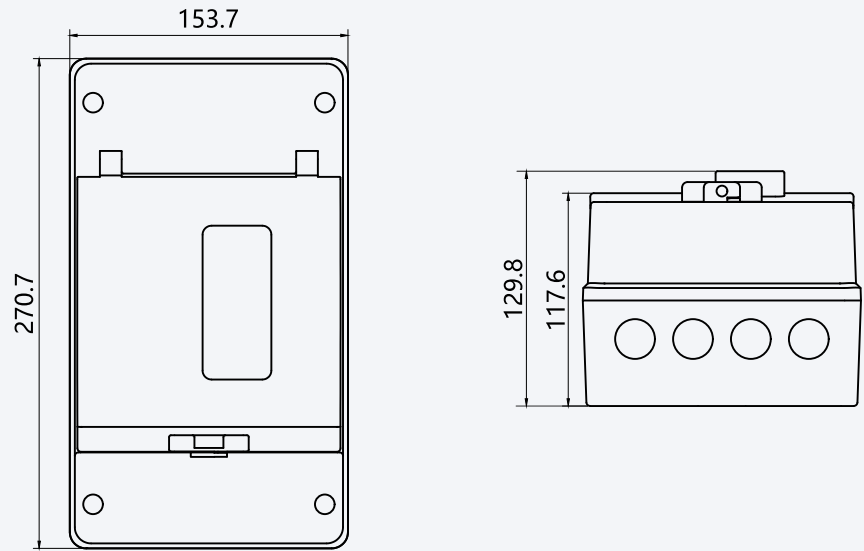
Type	BDM-125		BDM-250	
Picture				
Contacts Wiring graph				

Dimensions(mm)



Dimensions(mm)

IP65 Waterproof Enclosure for BDM-125



IP65 Waterproof Enclosure for BDM-250

