

# BDM Series PV DC Moulded Case Circuit Breaker



- 1 Brand
- 2 Type
- 3 Rated Current
- 4 Rated Voltage
- 5 Breaking Capacity
- 6 Operation Breaking Capacity
- 7 Standard Code

- 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

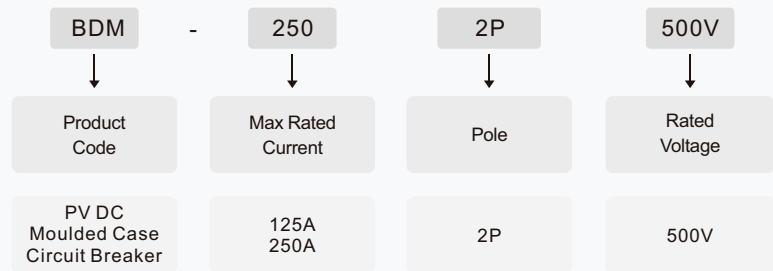
## Application

**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



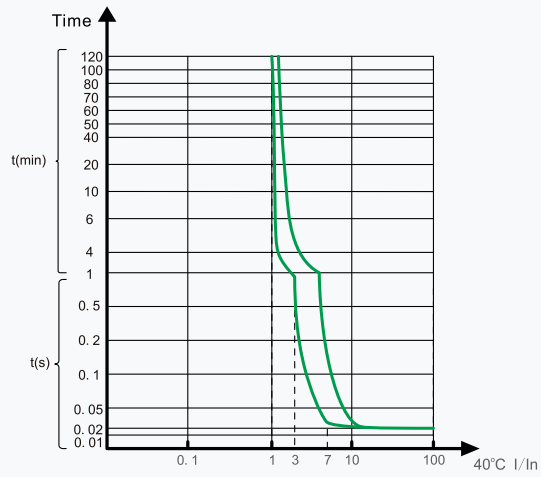
## Type Instruction



## Parameter

BD2 series PV DC MCCB			
Type		BDM-125	BDM-250
Pole		2P	
Max Rated Current		125A	250A
Electrical Characteristics			
Rated Working Voltage	U <sub>e</sub>	500V DC	
Rated Current	I <sub>n</sub> (A)	65A, 80A 100A, 125A	125A, 160A, 200A, 250A
Rated Insulated Voltage	U <sub>i</sub>	500V DC	
Rated Impulsed Voltage	U <sub>imp</sub>	8KV	
1 Min Power Frequency Withstand Voltage		3.8 KV	
Ultimate Breaking Capacity	I <sub>cu</sub>	15 KA	
Run Breaking Capacity	I <sub>cs</sub>	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°C~+85°C	

## Characteristic Curve



Type	BDM-125	BDM-250
Picture		
Contacts Wiring graph		

## Dimensions(mm)

BDM-125	BDM-250
IP65 Waterproof Enclosure for BDM-125	IP65 Waterproof Enclosure for BDM-250