

# BD

## Series PV DC Moulded Case Circuit Breaker

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# BD Series PV DC Moulded Case Circuit Breaker



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- High Short-Circuit/Breaking Capacity
- Protection Functions: Overload, Short circuit, Unfrequent Operation
- Rated Voltage up to 1000V DC
- Rated Current 125A,250A,400A,630A
- IEC60947-2, GB14048-2
- Easy Installation

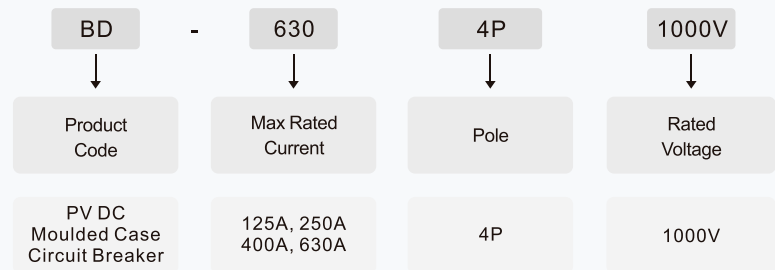
## Application

**ZBENY** BD 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 1000V DC, current up to 630A, with the function of overload protection and short-circuit protection.

## Appearance Introduction



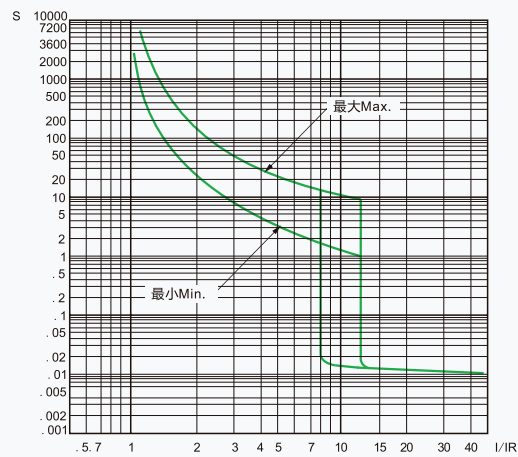
## Type Instruction



## Parameter

BD series PV DC MCCB					
Type		BD-125	BD-250	BD-400	BD-630
Pole		4P	4P	4P	4P
Max Rated Current		125A	250A	400A	630A
Electrical Characteristics					
Rated Working Voltage	U <sub>e</sub>	1000V DC	1000V DC	1000V DC	1000V DC
Rated Current	I <sub>n</sub> (A)	63/80 100/125	125/160 200/250	250/300/315 350/400	400/500/630
Rated Insulated Voltage	U <sub>i</sub>	1000V DC			
Rated Impulsed Voltage	U <sub>imp</sub>	8KV			
1 Min Power Frequency Withstand Voltage		3.8 KV	3.8 KV	3.8 KV	3.8 KV
Ultimate Breaking Capacity	I <sub>cu</sub>	20 KA	20 KA	20 KA	20 KA
Run Breaking Capacity	I <sub>cs</sub>	15 KA	15 KA	15 KA	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		14000	14000	5000	5000
Electrical		5000	5000	1500	1500
Size (L x W x H)		150.5x122x92.5	165x140x88	258x198x107	282x282x115
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	BD-125	BD-250	BD-400	BD-630	
Picture					
Type Code	4A	4B	4C	4D	4S
Contacts Wiring graph					

## Dimensions(mm)

125A	250A
400A	630A