

● Parameter

Rated insulation voltage (DC)	DC600V(36-600V)
Frame current In(A)	63-1000A 63-250A(2P width) 300-1000A(3P width)
Poles	Non-polarized 2P
Impulse voltage (KV)	8
Breaking capacity level	M
Short-circuit breaking capacityIcu(kA)	25(DC), 35(AC)
Mechanical durable (times)	8000
Electrical durable (times)	4500
Arcing distance(mm)	50
Arc extinguishing capability	High
Short-circuit protection trip time	<0.1s
Main material	Plastic, copper, silver (static contacts)

● Over view

NQCM1Z-H series DC molded case circuit breaker (referred to as mccb) are designed for DC and AC power system applications. Rated for a working voltage of DC600V(36-600V) and a working current up to 1000A. The mccb is non-polarized designed, supports current double directional flow and protect. The mccb have overload and short-circuit protection functions, which can protect lines and power supply equipment from damage. The products are widely used in new energy power (photovoltaics, generators, wind energy, battery etc.), electric vehicles, ships, industrial control, power supplies, telecommunications, rail transport, construction, and other industries.

The mccb compliant with IEC60947-2 standard

Certificate of quanlification

Model: NQCM1Z-H	
Inspection: 03	QC Pass
Date of production: see out box	
NanQue®	
Wenzhou Nanque Electric Co., Ltd.	
Xirendang Village, Liushi Town, Yueqing City, Wenzhou City, Zhejiang Province, China	
www.nanquele.com	

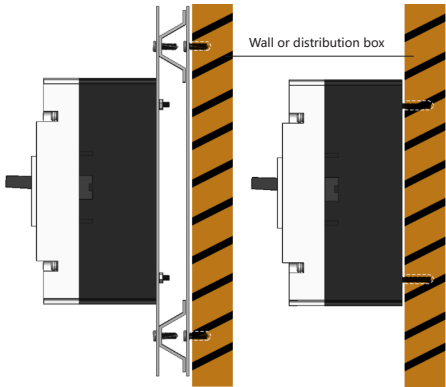
NQCM1Z-H
DC MCCB

Molded Case Circuit Breaker
Instruction Manual

● Security warning

Operation qualifications: only qualified electrical personnel are permitted to operate circuit breakers.
Safety protection: when operating under high voltage, it is necessary to wear insulated protective clothing and use insulated tools for the operation.
Inspection and replacement handling: the higher-level power supply must always be disconnected when inspecting and replacing circuit breakers.
Circuit breaker inspection: after the circuit is connected, check whether the wiring is correct. Ensure that the circuit wiring is correct before closing the breaker. Before the formal closing, it is necessary to perform 1-2 pre-closing operation tests.
Troubleshooting: if the circuit breaker trips due to a fault such as leakage, overload, or short circuit, the cause must be identified and rectified before the closing operation can be carried out.

● Installation



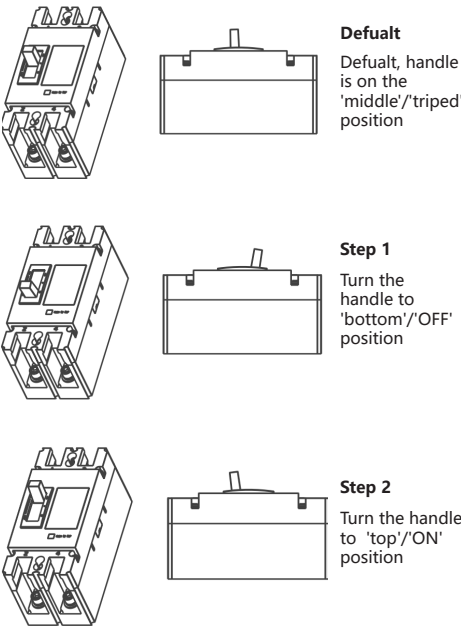
1, brackets and panel mounting fixed (recommend)

2, screws directly mounting fixed

● Size

	63-250A shell	300-630A shell		
Current (A)	63-125A	160-250A	300-400A	500-630A
Size LxWxH (mm)	150x85x65	165x74x104	255x148x149	270x180x149
M:	63~125A: 17.5mm	160~250A: 23.5mm	300~400A: 31mm	500~630A: 44mm
	800~1000A: 44mm			

● Handle operation

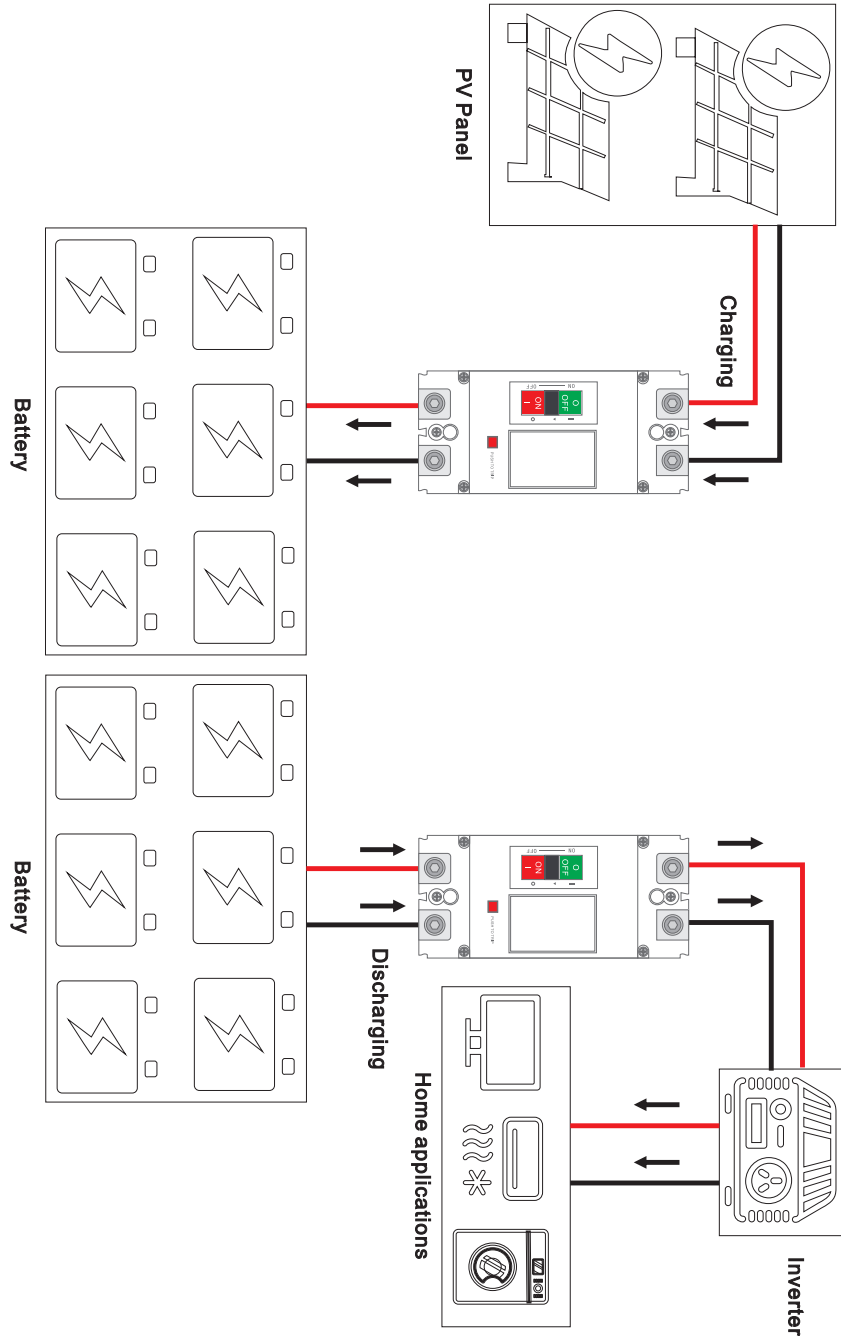


Default
Default, handle is on the 'middle'/'tripped' position

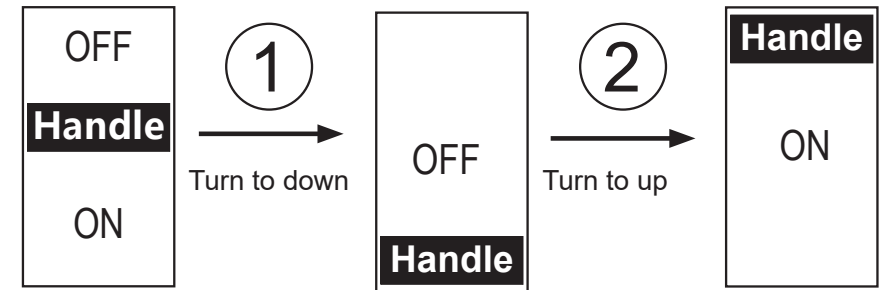
Step 1
Turn the handle to 'bottom'/'OFF' position

Step 2
Turn the handle to 'top'/'ON' position

Wiring example



Operate steps



Shunt release wiring (Optional install)

