

# HUB9NEZ-80

DC MINIATURE CIRCUIT BREAKER



**UL489**  
CERTIFICATION

- NON POLARITY
- HIGH CURRENT
- HIGH VOLTAGE
- HIGH BREAKING CAPACITY

**10KA**  
Breaking Capacity

**16A~80A**  
Rated Current

**DC250~1000V**  
Rated Voltage

# NEW NEW ENERGY SERIES

Wind power and photovoltaic storage supporting electrical



## SOLUTION VALUE

In recent years, China's new energy industry has developed rapidly and has become the country with the largest new wind power, photovolta and energy storage capacity in the world. Following the national dual carbon policy, Huan Yu High-tech Co., Ltd. provides high-quality AC and DC products and complete solutions for the new energy market. In particular, Huan Yu High-tech has always been committed to breaking through innovation in DC electrical products and the industry.

The core demand of the new energy industry for low-voltage electrical products is to have high voltage, high insulation, high and low temperature resistance high protection and other characteristics, and the reliability requirements for low-voltage electrical products are more stringent.



### OUTSTANDING STABILITY

Unfazed by the environment; safe and stable.

#### Outstanding performance

Autonomous development of DC and AC electrical products, with a voltage of up to 1500V

#### Safe and reliable

Arc extinguishing chamber technology innovation; Gas and magnetic arc extinguishing technology innovation; Stable quality of the automated production line.

#### Adaptive

Meet the ambient temperature of -40°C~70°C, 5000M altitude, and adapt to various new energy application.

#### Diverse wiring

Vertical line; horizontal line; Mixed wiring methods.

## HARSH ENVIRONMENT



Large temperature difference



Anti-salt spray



Dustproof



High altitude

## PRODUCT INTRODUCTION



HUW9NE AC High Voltage Air Circuit Breaker			
Frame Size	2500	4000	6300
Rated Current In(A)	630~2500	630~4000	4000~6300
Rated Operational Voltage Ue (V)	AC800V		
Number of Poles(P)	3P、4P		
Icu=Ics=Icw 800V	65kA	85kA	85kA
Icu=Ics=Icw 1140V	55kA	85kA	85kA
Connection Type	Horizontal wiring or vertical straight line		
Features	New arc extinguishing design, achieving zero arc flying, high-voltage breaking		
Certifications	CCC、CB、CE		
Application Scenarios	Wind power; PV; Energy storage		



HUW9NEGZ DC Frame Switch Disconnecter	
Frame Size	2500
Rated Current In(A)	630、800、1000、1250、1600、2000、2500
Rated Operational Voltage Ue (V)	DC750V~1500V
Number of Poles(P)	3P、4P
Icw1	66kA 1s
Icw2	150kA 0.2s
Connection Type	Horizontal wiring or vertical straight line
Features	Full specifications, small volume, high performance
Certifications	CCC、CE、TUV、CB
Application Scenarios	PV; Energy storage



HUM9NE AC High Voltage Molded Case Circuit Breaker				
Frame Size	250	320	400	630
Rated Current In(A)	63~250	280~320	280~400	450~630
Rated Operational Voltage Ue (V)	AC800V/1000V/1140V			
Number of Poles(P)	3P			
Icu=Ics 800V	50kA			
Icu=Ics 1000/1140V	15kA			
Features	High reliability, reverse input line, high-break			
Certifications	CCC、CE、TUV、CB			
Application Scenarios	Wind power; PV; Energy storage			



HUM9NEZ DC Molded Case Circuit Breaker				
Frame Size	250	320	400	630
Rated Current In(A)	63~250	280~320	280~400	450~630
Rated Operational Voltage Ue (V)	DC250~1500V			
Number of Poles(P)	2P		2P	
Icu/Ics (kA)	DC250V	/	70	
	DC500V	40	70	
	DC750V	40	40	
	DC1000V	40	40	
	DC1250V	/	20	
DC1500V	10(τ=5ms)			20
	20(τ=2ms)			
Features	IP65 handle, large travel, low temperature rise, more stable			
Certifications	CCC、CE、TUV、CB			
Application Scenarios	PV; Energy storage			



HUB9NEZ DC Miniature circuit breaker		
Frame Size	80	125
Rated Current In(A)	16~80	63~125
Rated Operational Voltage Ue (V)	DC250V~1200V	
Number of Poles(P)	1P、2P、3P、4P	
Icu	TUV: 10kA/6kA, UL: 10kA	6kA; H type 10kA
Ics	TUV: 7.5kA/6kA, UL: 6kA	6kA; H type 7.5kA
Features	Non-polarity, easier to install, full specifications, high voltage, high interruption.	
Certifications	CCC、CE、TUV、CB、UL	
Application Scenarios	PV; Energy storage	