

AISIKAI®

PRODUCT OVERVIEW



AISIKAI ELECTRIC CO.,LTD

Comprehensive Types

Fixed, Handcart, Side-mounted, Floor-standing

Patent

HV Vacuum Circuit Breaker ZL 201610633447.1

Easy Install HV Vacuum Circuit Breaker ZL 201610632987.8


INDOOR HIGH VOLTAGE VACUUM CIRCUIT BREAKER(VCB)
ASKV5 SERIES

Item		Unit	Technical parameters															
Rated voltage		kV	12						24			40.5						
Rated insulation level	Rated short-time power frequency withstand voltage (1min)	kV	42						65			95						
	Rated lightning impulse withstand voltage (peak)	kV	75						125			185						
Rated frequency		Hz	50						50			50/60						
Rated current		A	630 1250	630 1250	1250 1600 2000 2500 3150 4000	1250 1600 2000 2500 3150 4000	1250 1600 2000 2500 3150	630 1250	630 1250	1250 1600 2000 2500 3150	630 1250	630 1250	1250 1600 2000 2500 3150					
Rated short-circuit breaking current		kA	20	25	31.5	40	50	20	25	31.5	20	25	31.5					
Rated short-time withstand current		kA	20	25	31.5	40	50	20	25	31.5	20	25	31.5					
Rated peak withstand current		kA	50	63	80	100	125	50	63	80	50	63	80					
Rated short-circuit closing current (peak)		kA	50	63	80	100	125	50	63	80	50	63	80					
4s thermal stable current		kA	20	25	31.5	40	50	20	25	31.5	20	25	31.5					
Rated dynamic stable current		kA	50	63	80	100	125	50	63	80	50	63	80					
Rated capacitor set closing surge current		kA	12.5 (frequency not higher than 1000Hz)															
Rated single/back-to-back capacitor set breaking current		A	630/400															
Rated short-circuit duration		S	4															
Secondary circuit power frequency withstand voltage		V	2000															
Rated operational voltage	Closing coil	V	AC110/220 DC110/220						AC110/220 DC110/220			AC110/220 DC110/220						
	Opening coil	V	AC110/220 DC110/220															
	Energy storage motor	V	AC110/220 DC110/220															
Opening time (rated voltage)		ms	20 ~ 50						≤45			20 ~ 45						
Closing time (rated voltage)		ms	30 ~ 70						≤60			30 ~ 70						
The allowable wear cumulative thickness of moving and fixed contacts		mm	3															
Energy storage Time		s	≤15						≤15			≤15						
Contact opening distance		mm	9±1 (630A ~ 1250A)			11±1 (1250A ~ 4000A)			13±1			20±2						
Contact stroke		mm	3 ~ 4						4±1			6±1						
Contact closing bounce Time		ms	≤2									≤3						
Three phase opening/closing non-synchronous characteristic		ms	≤2															
Average opening speed ¹		m/s	0.9 ~ 1.3						1.1 ~ 1.7			1.4 ~ 2.0						
Average closing speed ²		m/s	0.4 ~ 0.8			0.5 ~ 0.9 (side-mounted)			0.6 ~ 1.1			0.6 ~ 1.3						
Contact opening rebound amplitude		mm	≤2						≤3									
Main conductive circuit resistance		μ Ω	≤55 (630A)			≤45 (630A side-mounted)			Rated current	Handcart	Fixed	Rated current	Handcart	Fixed				
			≤45 (1250A)			≤40 (1250A side-mounted)			630~1250A	≤55	≤50	1250A and below	≤75	≤50				
			≤35 (1600A~2000A)						1600~2000A	≤35	≤30	1250A and below	≤50	≤40				
			≤25 (2500A and above)						2500A and above	≤25	≤20							
Contact closing contact pressure		N	2000±200 (20kA) 2400±200 (25kA) 3100±200 (31.5kA) 4750±200 (40kA)															
Rated operation sequence ³			O-0.3s-CO-180s-CO															
Mechanical life		times	30000 (31.5kA and below) 20000 (40kA and below)						20000			10000						
Short-circuit breaking current breaking times		times	50									20						
Inter-phase center distance		mm	210±1						275±1			300±1.5						

1. ① 12kV/24V circuit breaker: the average opening speed refers to the average speed of the breaker contact just after opening 6mm.

② 40.5kV circuit breaker: the average opening speed refers to the average speed of the breaker contact just after opening 12mm.

2. ① 12kV circuit breaker: the average closing speed refers to the average speed of the breaker contact before closing 8mm.

② 24kV circuit breaker: the average closing speed refers to the average speed of the circuit breaker contacts full opening distance.

③ 40.5kV circuit breaker: the average closing speed refers to the average speed of the breaker contact before closing 12mm.

3. When the rated short-circuit breaking current < 40kA, θ = 0.3s, When the rated short-circuit breaking current is ≥ 40kA, θ = 180s.

MOLDED CASE CIRCUIT BREAKER(MCCB)


ASKM1-400A/3P

CCC & CE Certifications

Reliable quality assurance

Comprehensive protection functions

Overload, Short-circuit, Under-voltage

Modern Industrial Design

Innovative curved shape design, simple and beautiful

A Variety of Optional Accessories

Alarm contact, shunt tripper, auxiliary contact, under-voltage tripper, electric operation mechanism, manual operation mechanism, mechanical operation mechanism

ASKM1 SERIES

Model	Poles	Rated current (In A)	Rated operational voltage (Ue V)	Rated insulation voltage (Ui V)	Rated limit short-circuit breaking capacity			Arc distance (mm)	
					Test voltage(V)	Icu (kA)	Ics (kA)		
ASKM1-63L	3P , 4P	10, 16, 20, 25,	400	800	22	18	0	≤50	
ASKM1-63M	3P , 4P	32, 40, 50, 63			35	22			
ASKM1-125L	3P , 4P	16, 20, 25, 32,			35	22			
ASKM1-125M	3P , 4P	40, 50, 63, 80,			50	35			
ASKM1-125H	3P , 4P	100, 125			85	50			
ASKM1-125L	3P , 4P				10	5			
ASKM1-125M	3P , 4P				20	10			
ASKM1-250L	3P , 4P				35	22			
ASKM1-250M	3P , 4P	100, 125, 140,		800	50	35			
ASKM1-250H	3P , 4P	160, 180, 200,			85	50			
ASKM1-250L	3P , 4P	225, 250			10	5			
ASKM1-250M	3P , 4P				20	10			
ASKM1-400L	3P , 4P								
ASKM1-400M	3P , 4P		400	800	400×1.10	65	50	≤100	
ASKM1-400H	3P , 4P	225, 250, 315,							
ASKM1-400L	3P , 4P	350, 400							
ASKM1-400M	3P , 4P								
ASKM1-630L	3P , 4P								
ASKM1-630M	3P , 4P		400	800	75	65			
ASKM1-630H	3P , 4P								
ASKM1-630L	3P , 4P								
ASKM1-630M	3P , 4P								
ASKM1-800L	3P , 4P								
ASKM1-800M	3P , 4P	630, 700, 800	400	800	85	75			
ASKM1-800H	3P , 4P								
ASKM1-800M	3P , 4P								
ASKM1-1600M	3P , 4P		400	800	85	65			
ASKM1-1600H	3P , 4P	800, 1000,							
ASKM1-1600M	3P , 4P	1250, 1600							

ASKM3 SERIES

Model	Poles	Rated current (In A)	Rated insulation voltage (Ui V)	Rated impulse withstand voltage Uimp kV	Rated operational voltage (V)	Arc distance (mm)	Breaking capacity level	Rated limit short-circuit breaking capacity (Icu KA o-co)		Rated service short-circuit breaking capacity (Icu KA o-co)	
								AC400V/415V	AC660V/690V	AC400V/415V	AC660V/690V
ASKM3-63	3P , 4P	10, 16, 20, 25, 32, 40, 50, 63	1000V	8000V	AC400V/415V	≥50(0) ²	L	36	10	36	10
ASKM3-100C	3P , 4P	10, 16, 20, 25, 32, 40, 50, 63, 80, 100					M	55	12	55	12
ASKM3-160	3P , 4P	10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 140, 160	1000V	12000V	AC400V/415V	≥50(0) ²	C	40	12	40	12
					AC660V/690V		L	50	12	50	12
						M	70	20	70	20	
						H	85	20	85	20	
ASKM3-250	3P , 4P	100, 125, 140, 160, 180, 200, 225, 250	1000V	12000V	AC400V/415V	≥50(0) ²	C	40	12	40	12
					AC660V/690V		L	50	12	50	12
						M	70	20	70	20	
						H	100	20	100	20	
ASKM3-400	3P , 4P	225, 250, 315, 350, 400	1000V	12000V	AC400V/415V	≥50(0) ²	C	40	15	40	15
					AC660V/690V		L	65	15	65	15
						M	70	20	70	20	
						H	100	20	100	20	
ASKM3-630	3P , 4P	400, 500, 630	1000V	12000V	AC400V/415V	≥50(0) ²	C	40	20	40	20
					AC660V/690V		L	70	20	70	20
						M	75	30	75	30	
						H	100	30	100	30	
ASKM3-800	3P , 4P	400, 500, 630, 700, 800	1000V	12000V	AC400V/415V	≥50(0) ²	C	75	20	75	20
					AC660V/690V		L	85	30	85	30
						M	100	30	100	30	



ASKM3-400A/3P

CCC & CE Certifications

Reliable quality assurance

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A Variety of Optional Accessories

Alarm contact, shunt tripper, auxiliary contact, under-voltage tripper, electric operation mechanism, manual operation mechanism, mechanical operation mechanism

INTELLIGENT UNIVERSAL AIR CIRCUIT BREAKER(ACB)



ASKW1-3200A

CCC & CE Certifications
Reliable quality assurance
Comprehensive protection functions
Long delay, short delay, instantaneous, grounding, load monitoring, MCR&HSISC, district chain
User-friendly Interface
LCD screen in English
Easy to set
Complete parameters
Comprehensive Measurement functions
4 phases currents, grounding current, thermal capacity, 3 phases voltages, power frequency
Intelligent Communication
MODBUS-RUT standard communication protocol

ASKW1 SERIES

Frame rating current (Inm A)	Rated current (In A)	Rated impulse withstand voltage (Ui _{imp} kV)	Rated voltage (Ue V)	Rated limit short-circuit breaking capacity (Icu kA o-co)		Rated service short-circuit breaking capacity (Ics kA o-co-co)		Rated short-time withstand current Icw KA(1s) delay 0.4s o-co		Power loss (In) W	
				400V	690V	400V	690V	400V	690V	Fixed	Drawout
2000	630	12kV	AC 50Hz 60Hz 400V 690V	85	55	65	55	65	55	40	80
	800									60	130
	1000									90	205
	1250									90	205
	1600									140	310
	2000									170	310
3200	2000			100	70	80	70	80	70	170	400
	2500									260	510
	2900									320	650
	3200									420	760
4000	3200			100	70	80	70	80	70	430	780
	3600									440	790
	4000									450	800
6300	4000			120	120	100	100	100	100	1225	
	5000									1250	
	6300									1625	

ASKW2 SERIES

Frame rating current (Inm A)	Rated current (In A)	Rated voltage (Ue V)	Rated limit short-circuit breaking capacity		Rated service short-circuit breaking capacity		Rated short-time withstand current Icw	Rated insulation voltage (Ui V)	Rated impulse withstand voltage (Ui _{imp} kV)	Number of operation cycles per hour	Number of cycles of operation powered on	Number of cycles of operation not powered on	Total
			IcuA	cosΦ	IcuA	cosΦ							
1600	200~1600	400 50Hz 690	55 22	0.25	42 22	0.25	42kA/1S 22kA/1S	690	12(2000m)	20	500	2500	3000



ASKW2-1600A



SKZ1 Series Intelligent Automatic Transfer Switch Cabinet

Dual power automatic transfer control panel is suitable for automatic switching between two-source power supplies with load. Two-source power supplies can be in the form of 2 utility powers, 1 utility power 1 generator power, and 2 generator powers. The control panel of same power is in the same outline structure; control panels of different powers have the same working principle but different sizes. Control capacity varies between 20A to 6300A (corresponding to the power of three-phase 10kW to 3000kW).

Outline and Classification

Current	63A,80A,100A,	125A,160A,250A,	400A wall mount, 630A wall mount	400A stand, 630A stand	800A,1000A, 1250A,1600A	2000A,2500A,3200A
Outline dimensions(mm)	500*400*250	500*600*250	550*600*350	1200*600*500	1600*800*600	2000*800*800
Outlet line location	Outlet from lower	Outlet from lower	Outlet from lower	Outlet from lower	Outlet from lower	Outlet from lower
Weight(kg)	19	28	42	95	150	285

Basic Technical Data

Parameters	Data
Operational voltage range	(176~265)VAC
DC power supply voltage	(8~35)V (can be not used)
Shell	Metal shell, Electrostatic spraying, Gray colour
Switch	SKT, ASKQ series
Transfer time	Minimum 3 seconds
Control module	SKR2-A, SKR2-B series
Communication interface	RS485
Language	Chinese / English
Installation methods	Wall mount, stand
Ambient temperature	(-25~+70)°C
Humidity	(20~90)%
Altitude	≤5000 m



SKZ1 Series

AUTOMATIC TRANSFER SWITCH(ATS)- Class PC Motor Type

SKT SERIES

Thermal current rating(Ith A)	20A, 40A, 63A, 80A, 100A, 125A, 160A, 250A, 400A, 630A	800A, 1000A, 1250A, 1600A, 2000A, 2500A, 3200A			
Rated insulation voltage(Ui)	1000V	1000V			
Rated impulse withstand voltage(Uimp)	12kV	12kV			
Rated voltage of the switch copper		AC440V			
Rated operational current(Ie)	10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 140, 150, 160, 180, 200, 225, 250, 315, 350, 400, 500, 630	800, 1000, 1250, 1600, 2000, 2500, 3200			
Rated making capacity		10le			
Rated breaking capacity		10le			
Rated limit short-circuit current	7kV	13kV	35kV	50kV	75kV
Transferring time I - II or II - I	1.2S	0.6S	1.2S	2.4S	
Control voltage	AC220V (special voltage: AC24V,DC110V,DC220V,AC110V,AC280V)				



CCC & CE Certifications

Reliable quality assurance
Suit for Frequent Operation
AC-33A highest standard
Patent Technology
One-piece structure of output copper bars
Permanent magnet motor driven
Zero line overleaf switch
GSM wireless remote control
High Making & Breaking Capacity
Making: 10le
Breaking: 10le
Multiple Safe Protections
Mechanical&electrical interlock
Zero position safe design
Combined contacts of double rows
Transverse moving mechanism

AUTOMATIC TRANSFER SWITCH(ATS) - Class PC Home Use Type

ASKQ1 SERIES



ASKQ1-63A/2P

Rated current(Ie)	6A, 10, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Rated insulation voltage(Ui)	AC690V
Rated impulse withstand voltage(Uimp)	8kV
Rated voltage(Ue)	AC400V
Use category	AC33B
Electrical ratings	PC
Usage frequency	50Hz ~ 60Hz
Poles	2P, 3P, 4P
Control voltage	AC220V

AUTOMATIC TRANSFER SWITCH(ATS) - Class PC 2 Section Type

ASKQ2-125A/4P

ASKQ2 SERIES

Rated operational current	32A, 125A	250A, 400A	630A, 800A, 1000A, 1250A, 1600A
Rated current of control power(A)	5	7	12
Rated short-time withstand current(kA)	10	10	32
Rated impulse withstand voltage(Uimp kV)	8	8	8
Service life	Mechanical	8000	3000
	Electrical	3000	1000
Poles	2P 3P 4P	3P 4P	3P 4P



ASKQ6-125A/4P

AUTOMATIC TRANSFER SWITCH(ATS) - Class PC 2 Section Type

ASKQ6 SERIES

Rated operational current	32A, 125A	250A, 400A	630A, 800A, 1000A, 1250A, 1600A
Rated current of control power(A)	5	7	12
Rated short-time withstand current(kA)	10	10	32
Rated impulse withstand voltage(Uimp kV)	8	8	8
Service life	Mechanical	8000	3000
	Electrical	3000	1000
Poles	2P 3P 4P	3P 4P	3P 4P

AUTOMATIC TRANSFER SWITCH(ATS) - Class PC High Current Type

ASKQ8-6300A/4P

ASKQ8 SERIES

Rated current(Ie)	3200A, 3600A, 4000A, 4500A, 5000A, 6300A
Rated insulation voltage(Ui V)	AC1000V
Rated impulse withstand voltage(Uimp)	12kA
Rated voltage(Ue)	AC400V
Poles	3P 4P
Control voltage	AC200V
Short-time withstand current	60kA



AUTOMATIC TRANSFER SWITCH(ATS) - CLASS CB MCB TYPE

SKQ1-63A/4P

SKQ1 SERIES

Rated short-circuit breaking capacity	10A, 20A, 25A, 32A, 40A, 63A
Rated short-circuit making capacity	3kA
Transferring time	≤3s
Control voltage Us	AC220V
Mechanical life	3000 times (main-standby). Electrical life is 1500 times
Rated insulation voltage of copper bar(Ui)	500V
Rated operational voltage of copper bar(Ue)	AC380V 2P为AC220V
Rated operational current of copper bar(Ie)	3kA



SKQ1-63A/4P

AUTOMATIC TRANSFER SWITCH(ATS) - CLASS CB MCCB TYPE

SKQ1-125A/4P

SKQ1 SERIES

Model	SKQ1-125	SKQ1-225	SKQ1-400	SKQ1-630
Use category	AC-33iB			
Rated operational voltage(Ue)	AC400V			
Rated insulation voltage(Ui)	690V			
Rated short-time withstand current(Icw)	10kA		12.6kA	
Rated short-circuit making capacity(Icm)	17kA		25.2kA	
Service life	Mechanical:10000 ; Electrical: 5000		Mechanical:5000 ; Electrical: 2500	
Poles	3P 4P		3P 4P	





Professional manufacture

LOAD-ISOLATIN SWITCHES (LIS)

SKG1 SERIES

Thermal current rating(Ith A)	125A	160A	250A	400A	500A	630A	800A	1000A	1250A	1600A	2000A	2500A	3200A
Rated insulation voltage(Ui V)	800	800	800	660	660	660	800	800	800	800	800	800	800
Dielectric strength (V)	5000	5000	5000	8000	8000	8000	8000	10000	10000	10000	10000	10000	10000
Rated impulse withstand voltage(Uimp kV)	8	8	8	12	12	12	12	12	12	12	12	10	10
Installation level(IV)													
Rated Operation Current(Ie A) 380V AC21B	125	160	250	400	500	630	800	1000	1250	1600	2000	2500	3200



CCC & CE Certifications
Reliable quality assurance
Multiple Safe Protections
Mechanical interlock
Combined contacts of double rows
Transverse moving mechanism

ASKG2 SERIES



Poles	Frequency	Rated operational voltage	Rated operational current	Rated short-time withstand current	Rated shortcircuit connection capability	Rated shortcircuit connection &breaking capability
1P	50Hz	230V	16A, 20A ,25A, 32A, 40A, 50A, 63A, 80A, 100A	1.5kA/1s	2.5kA 0.1s	3le, 1.95Us, $\text{COS}\phi=0.65$
2P, 3P, 4P	50Hz	400V				

ASKG5 SERIES



Poles	Frequency	Rated operational voltage	Rated operational current	Rated short-time withstand current	Rated shortcircuit connection capability	Rated shortcircuit connection &breaking capability
1P	50Hz	230V	16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A	1.5kA/1s	2.5kA 0.1s	3Ie, 1.95Ue, COSφ=0.65
2P, 3P, 4P	50Hz	400V				

BAC Series Battery Charger

Category	Model	Input			Output			Insulation					Structure	
Items	BAC	Max input voltage	Frequency	Max input current	Factory charging current	Max output power	Min output voltage	Insulation resistance	Insulation voltage	Working temperature	Storage temperature	Weight	Dimensions (L*W*H mm)	
12 V	BAC-1206	AC(90~305)V	50Hz/60Hz	2.5A	6A	135W	7.5V	When between input and output, output and shell are both DC500V	When between input and output, output and shell are both AC1500V	(-30~55)°C	(-40~85)°C	0.65kg	143*96*55	
24 V	BAC-2403	AC(90~305)V	50Hz/60Hz	2.5A	3A	135W	7.5V	1min, the insulation resistance $R_i \geq 50M\Omega$ 50Hz 1min the leakage current $I_L \leq 3.5mA$	(30~55)°C (-40~85)°C 0.65kg 143*96*55	(-30~55)°C	(-40~85)°C	0.65kg	143*96*55	
	BAC-2405	AC(90~305)V	50Hz/60Hz	2.5A	5A	135W	7.5V			(-30~55)°C	(-40~85)°C	0.65kg	143*96*55	
	BAC-2410	AC(90~305)V	50Hz/60Hz	4A	10A	290W	7.5V			(-30~55)°C	(-40~85)°C	1.15kg	205*96*55	



INTELLIGENT ELECTRIC METER (IPM)

	Model	□ Model NO.					□ Display		□ Optional functions			Maximum demand statistics	Analysis of advanced power quality technical specifications	Data freeze	64 SOE event records
		48	49	72	80	96	Digital	LED(Y)	communication (S)	Analog output (B)	Upper and lower (K)				
Ammeter	ASKY□A□□	✓	✓	✓	✓	✓		●	✓	✓	✓				
	ASKY□A3□□	✓	✓	✓	✓	✓		●	✓	✓	✓				
	ASKY□A	✓	✓	✓	✓	✓	●		✓	✓	✓				
	ASKY□A3	✓	✓	✓	✓	✓	●		✓	✓	✓				
Voltmeter	ASKY□V□□	✓	✓	✓	✓	✓		●	✓	✓	✓				
	ASKY□V3□□	✓	✓	✓	✓	✓		●	✓	✓	✓				
	ASKY□V	✓	✓	✓	✓	✓	●		✓	✓	✓				
	ASKY□V3	✓	✓	✓	✓	✓	●		✓	✓	✓				
Frequency meter	ASKY□F□□	✓	✓	✓	✓	✓		●	✓	✓	✓				
	ASKY□F	✓	✓	✓	✓	✓	●		✓	✓	✓				
Active meter	ASKY□P□□	✓	✓	✓	✓	✓		●	✓	✓	✓				
	ASKY□P						●		✓	✓	✓				
Reactive meter	ASKY□Q□□						●		✓	✓	✓				
	ASKY□Q						●		✓	✓	✓				
Power factor meter	ASKY□H□□						●		✓	✓	✓				
	ASKY□H						●		✓	✓	✓				
Multifunction power meter	ASKY□W3□□						●		✓	✓	✓				
	ASKY□W3						●		✓	✓	✓				
	ASKY961					✓		●	✓		✓				
	ASKY961 Pro					✓		●	✓		✓	✓	✓	✓	✓

Safe and Reliable
Self-developed software,
reliable quality assurance

**Multiple Specifications for
Multiple Needs**
7 Categories, 5 Sizes
Clip Installation
Easy and secure
Module Design
Smart module design.
Multiple functions can be
freely combined.

AUTOMATIC TRANSFER SWITCH CONTROLLER(ATSC)

SKR2 SERIES



HIGH QUALITY ELECTRICAL MANUFACTURER



**VCB/ACB/MCCB/E-MCCB/RCCB/MCB
ATS/MTS/ATSC/ATS-BOX
LIS/CPS/SPD/VPS/IPM**

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