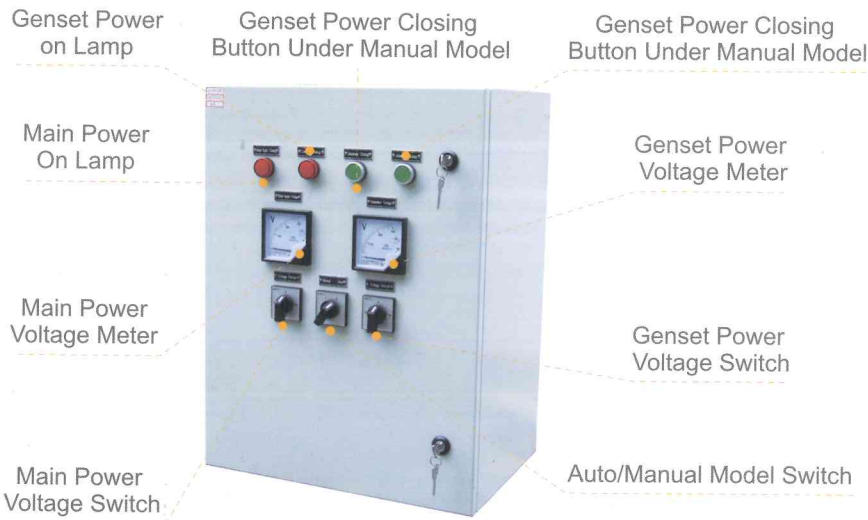


Auto Transfer Switch (ATS)

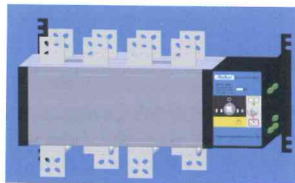
The genset controller has no AMF function



The genset controller has AMF function



1. ATS switch choice



Standard (Aisikai)



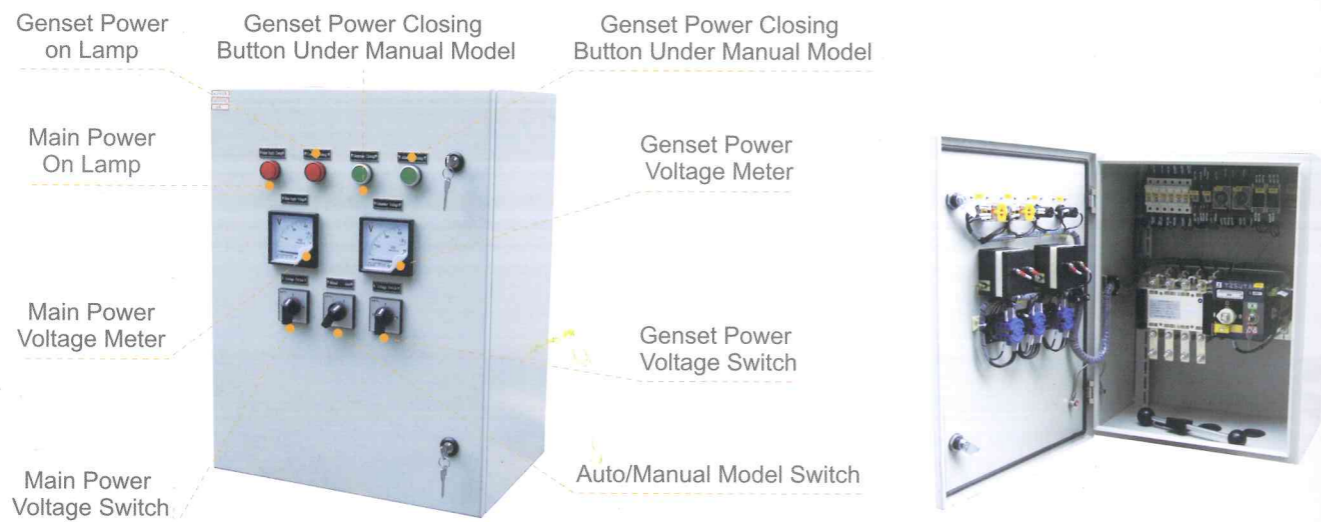
Optional (SOCOME)

2. General Specifications

For emergency power in building or other circumstances, Auto Transfer Switch (ATS) is essential. ATS can automatically transfer load between the main power and the emergency power (generating set) without operator. When the main power fails or voltage drops below 80% of normal voltage, the ATS will start emergency generating set after a preset time 0-10 seconds (adjustable), and transfer the load to emergency power (generating set). Contrarily, when the main power recovers normal, the ATS will transfer the load from the emergency power (generating set) to the main power, and then stop the emergency power (generating set).

Auto Transfer Switch (ATS)

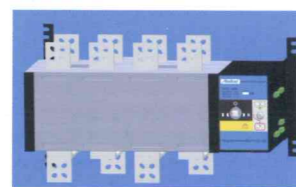
The genset controller has no AMF function



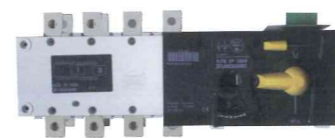
The genset controller has AMF function



1.ATS switch choice



Standard (Aisikai)



Optional (SOCOME)

2.General Specifications

For emergency power in building or other circumstances, Auto Transfer Switch (ATS) is essential. ATS can automatically transfer load between the main power and the emergency power (generating set) without operator. When the main power fails or voltage drops below 80% of normal voltage, the ATS will start emergency generating set after a preset time 0-10 seconds (adjustable), and transfer the load to emergency power (generating set). Contrarily, when the main power recovers normal, the ATS will transfer the load from the emergency power (generating set) to the main power, and then stop the emergency power(generating set).

3.Main technical parameters

Standard compliance: IEC947-6-1/GB14048.11-2002

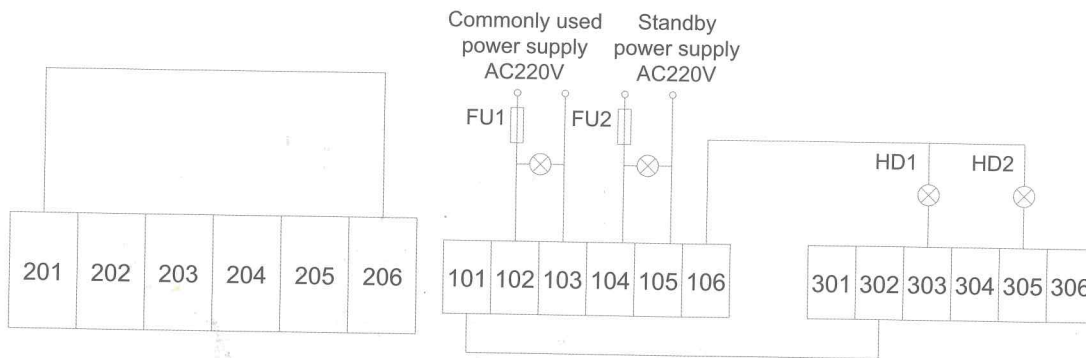
Conventional thermal current I_{th}	20A	40A	63A	80A	100	125	160	250	400	630	800	1000	1250	1600	
					A	A	A	A	A	A	A	A	A	A	
Rated isolation voltage U_i	750V								1000V						
Rated impulse withstand voltage U_{imp}	8KV								12KV						
Rated operational voltage U_e	AC440V														
Rated operational current I_e	AC-31A	20	40	63	80	100	125	160	250	400	630	800	1000	1250	1600
	AC-35A	20	40	63	80	100	125	160	250	400	630	800	1000	1250	1600
	AC-33A	20	40	63	80	100	125	160	250	400	630	800	1000	1250	1600
Rated making capacity	10Ie														
Rated breaking capacity	8Ie														
Rated conditional short-circuit current	100KA								70KA		100KA		120KA		
Rated shorttime withstand current	7KA				9KA		13KA		26KA		50KA				
Conversion time	0.45S								0.6S		1.2S				
Control power supply voltage	AC220V														
Rated control voltage	Startup	300W				325W		355W		400W		440W			
	Normal	55W				62W		74W		90W		98W			
Weight(kg) Grade 4	7.0	7.2	7.2	7.2	7.5	7.5	8.8	9	16.5	17	32	36	40	43	

4.Switch structure descriptions

1. Electric key lock: To control the power supply of the internal control circuit of the switch; when the electric lock is unlocked, automatic and remote operation is realized; when the electric lock is locked, only manual operation can be performed.
2. Operation handle: If the operation handle is to be used for operation, the electric lock should be locked.
3. Mechanical padlock: When the equipment is to be repaired, use the operation handle to put the switch in its 0 grading, pull the padlock upward and get it locked before beginning the repair (pulling the padlock upward means to cut off the internal control power supply of the switch and the switch is now on the way to be operated electrically or manually).
4. Position indication: To show the positions of the switch operation status (I. 0. II)
5. Control voltage: Switch control voltage grade: 220VAC.
6. Main body of switch: The front part is channel I, connected to the "commonly used power supply" the rear part is channel II, connected to the "standby power supply" .

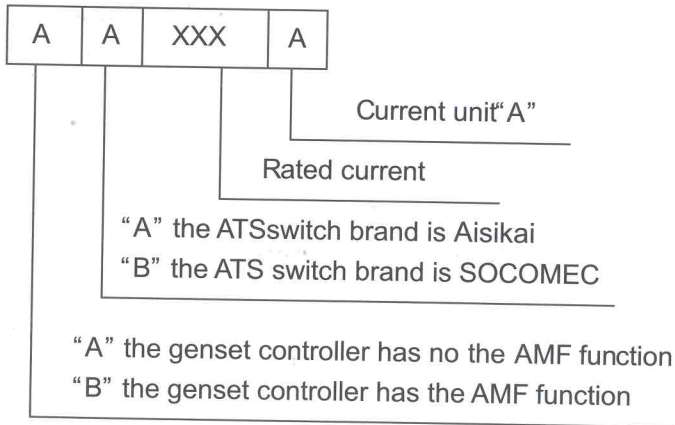
Auto Transfer Switch (ATS)

5. Typical connection - Fully Automatic Connection mode

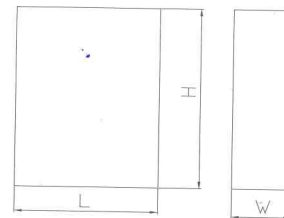


Note: HL1 and HL2 are power-up indication of the commonly used power supply and the standby power supply respectively.
 HD1 and HD2 are putting-into-service indication of the commonly used power supply and the standby power supply respectively.
 FU1 and FU2 are 3A fuses.
 101-106, 201-206 and 301-306 are skt2 switch terminals.

6. Type and meaning



7. The model and dimension



Rated current	Dimension (mm)			Rated current	Dimension (mm)		
	L	W	H		L	W	H
20A	450	320	600	630A	800	500	1450
40A	450	320	600	800A	800	500	1450
63A	450	320	600	1000A	800	500	1450
80A	450	320	600	1250A	800	500	1450
100A	450	320	600	1600A	800	800	2000
125A	450	320	600	2000A	800	800	2000
160A	450	320	600	2500A	800	800	2000
250A	550	320	650	3200A	800	800	2000
400A	800	500	1450				