SWITCH
TRANSFER TECHNOLOGIES

ATS
AUTOMATIC TRANSFER SWITCH

MODEL:
SWITCH_4P_SYK_1250_400

ATS

AUTOMATIC TRANSFER SWITCH

TECHNICAL DATA SHEET

TECHNICAL INFORMATION

MODEL	
SWITCH_4P_SYK_1250_400	
FEATURES	
Automatic Power Detection	Continuously monitors the main (utility) power supply. If a power failure or voltage drop occurs, the ATS automatically switches to generator.
Automatic Load Transfer	Instantly transfers the electrical load from the main supply to the generator without manual intervention.
Automatic Re-transfer	When utility power is restored and stable, the ATS automatically switches the load back to the main supply.
Engine Start / Stop Signals	Sends automatic start and stop commands to the generator during power outages and restorations.
Voltage and Frequency Monitoring	Monitors both the incoming power and generator output to ensure they are within safe parameters before transferring the load.
Interlocking Protection	Prevents both power sources (main and generator) from connecting at the same time, ensuring safety and preventing back-feeding.
Manual Operation Mode	Provides a manual transfer option for testing or emergency situations.
Safety Protection	Includes overload, short-circuit and phase protection depending on model.
Indicator Lights and Display	Shows system status such as mains, generator available, load on mains and load on generator.

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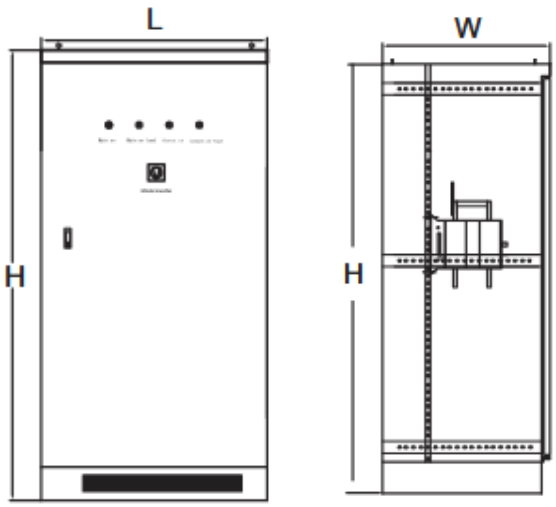
PARAMETERS		
Rated Thermal Current		1250A
Rated Isolation Voltage		1000V
Rated Impulse Withstand Voltage		12KV
Rated Operating Voltage		AC440V
Rated Operating Current	**AC-31A**	1250
	AC-35A	1250
	AC-33A	1250
Rated Ability to Connect		$10I_e$
Breaking Capacity of Rated Limit Short Circuit		$8I_e$
Rated Limit Short-circuit Current		100KA
Short time Withstand Current		26KA
Conversion Time		0.6s
Control Input Voltage		AC220V
Rated Control Voltage	**Start**	400W
	Normal	90W

BENEFITS
Double-throw contacts with inherent mechanical interlocking to prevent connection of generator and utility sources.
Electrically operated, mechanically held by a simple , over-centre mechanism. The main components are worldwide famous brands, like PHILIPS, MOTOROLA, VAGO, OMRN.
High electromagnetic compatibility, strong anti-interference ability.
No external connection of control components needed.
Small sized, and light.

STANDARD FEATURES
IEC60947-1/GB/T 14048-2000 Low-voltage switchgear and control gear - General rules
IEC60947-3/GB/T 14048.3 Low voltage switchgear and control gear switches, disconnectors, switch-disconnectors and fuse-combination units
IEC60947-6-1/GB 14048.11 Automatic transfer switchgear equipment

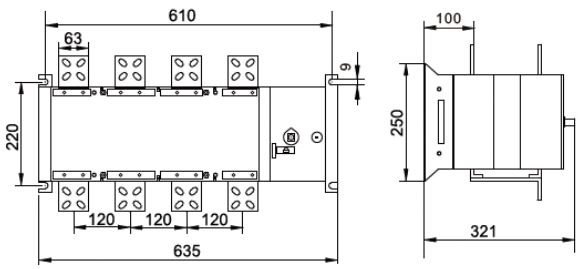
DRAWINGS

PANEL



PANEL DIMENSION	
Length (mm)	800
Width (mm)	600
Height (mm)	1700

ATS



ATS DIMENSION	
Length (mm)	635
Width (mm)	321
Height (mm)	250

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