AUTOMATIC TRANSFER SWITCH

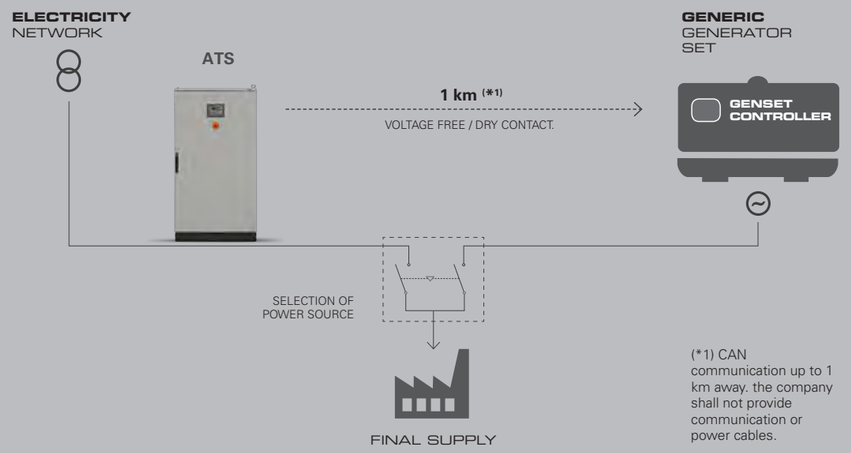
WE MANUFACTURES AUTOMATIC TRANSFER SWITCH PANELS (ATS) WHICH TRANSFER POWER BETWEEN THE MAINS AND THE GENERATOR SET. A PIECE DESIGNED WITH A COMPREHENSIVE ELECTRICAL MECHANISM THAT ALLOWS A RAPID RESPONSE TO THE DEMAND FOR POWER ON THE STAND-BY MARKET.

OUR AUTOMATIC TRANSFER SWITCH PANELS HAVE A MANUAL EMERGENCY STOP AND HAVE BEEN MANUFACTURED IN COMPLIANCE WITH REQUIRED QUALITY STANDARDS. WITH AN AMPERAGE RANGE OF 30 TO 3150 A, THE ATS HAS AN IP55 PROTECTION RATING WHICH GUARANTEES SEALING AND INSULATION LEVELS.

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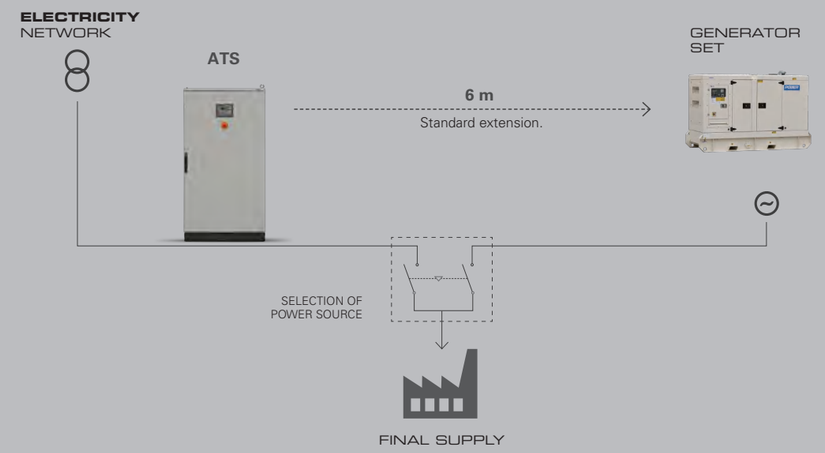
AUTOMATIC TRANSFER SWITCH DIAGRAMS

A2 + GENERIC GENERATOR SET



(*1) CAN communication up to 1 km away. the company shall not provide communication or power cables.

A5 + GUANGDONG GENERATOR SET



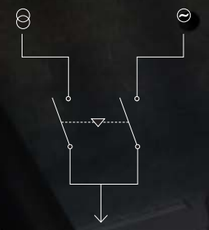


CONTACTORS
30-250A



MAIN COMPONENTS

1. IP55 cabinet
2. Controller
3. Emergency stop
4. Measurements module
5. Contactors
6. Grounding line connection



AUTOMATIC TRANSFER SWITCH USING A PAIR OF MECHANICALLY INTERLOCKED CONTACTORS AND WITH STATUS CONTACTS.

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SWITCHES
400-3150A



MAIN COMPONENTS

1. IP55 cabinet
2. Controller
3. Emergency stop
4. Measurements module
5. Key for manual transfer switch
6. Motorised switch
7. Grounding line connection
8. Plinth for cabinets >800A



AUTOMATIC TRANSFER SWITCH USING MOTORISED SWITCHES WITH MANUAL ACTIVATION OPTION.



A2
AUTOMATIC TRANSFER SWITCH PANELS



30-125 A
4-pole contactors.
Power failure detection. Emergency stop. Voltage measurement.



160-250 A
4-pole contactors.
Power failure detection. Emergency stop. Voltage measurement.



400-630 A
Motorised switch.
Power failure detection. Emergency stop. Voltage measurement.



800 A
Motorised 4-pole switch. Power failure detection. Emergency stop. Voltage measurement.



1000-1250 A
Motorised 4-pole switch. Power failure detection. Emergency stop. Voltage measurement.



1600 A
Motorised 4-pole switch. Power failure detection. Emergency stop. Voltage measurement.



2500-3150 A
Motorised 4-pole switch. Power failure detection. Emergency stop. Voltage measurement.





MAXIMUM DISTANCE: 1000 m

For communications of over 100 metres a supplemental power supply is necessary.



POWER SUPPLY The power supply is equipped with an auxiliary battery that maintains the power supply in both modules, from the time when a power failure occurs until the generator sets start.

A2 ATS PANELS

		CONTACTORS								SWITCHES								
Amperage	A	30	40	50	63	100	125	160	250	400	630	800	1000	1250	1600	2000	2500	3150
Weight	kg	27	27	28	28	30	31	54	55	128	135	164	220	245	347	385	450	486
Height	mm	700	700	700	700	700	700	1000	1000	1200	1200	1750	1800	1800	1800	2000	2000	2000
Length	mm	500	500	500	500	500	500	600	600	800	800	800	1000	1000	1200	1200	1200	1200
Width	mm	250	250	250	250	250	250	300	300	400	400	400	600	600	600	800	800	800

POWER PANEL X3
TERMINAL CONNECTION DIAGRAMS

G GENSET

Connection to Guangdong AS5/M5 type panel with control unit. Start and stop via CAN communication.

GENERIC GENSET

Connection to generic panel, start and stop via voltage-free contact.

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A5
AMF CONTROL PANELS WITH ATS



30-125 A
4-pole contactors.
Detection of mains failure and genset control. Emergency stop. Current and voltage measurement.



160-250 A
4-pole contactors.
Detection of mains failure and genset control. Emergency stop. Current and voltage measurement.



400-630 A
Motorised switch.
Detection of mains failure and genset control. Emergency stop. Current and voltage measurement.



800 A
Motorised 4-pole switch. Detection of mains failure and genset control. Emergency stop. Current and voltage measurement.



1000-1250 A
Motorised 4-pole switch. Detection of mains failure and genset control. Emergency stop. Current and voltage measurement.



1600 A
Motorised 4-pole switch. Detection of mains failure and genset control. Emergency stop. Current and voltage measurement.



2500-3150 A
Motorised 4-pole switch. Detection of mains failure and genset control. Emergency stop. Current and voltage measurement.

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GC5
GC5 control panels are only compatible with Guangdong gensets.





MAXIMUM DISTANCE: 6 m

A5 CONTROL PANELS

		CONTACTORS								SWITCHES								
Amperage	A	30	40	50	63	100	125	160	250	400	630	800	1000	1250	1600	2000	2500	3150
Weight	kg	49	49	49	49	49	49	56	57	130	137	166	222	247	349	387	452	488
Height	mm	1000	1000	1000	1000	1000	1000	1000	1000	1200	1200	1750	1800	1800	1800	2000	2000	2000
Length	mm	600	600	600	600	600	600	600	600	800	800	800	1000	1000	1200	1200	1200	1200
Width	mm	300	300	300	300	300	300	300	300	400	400	400	600	600	600	800	800	800

MULTI-PIN
QUICK CONNECTOR



FLEXIBLE CONNECTION, COMPACT HOSE, RESISTANT TO IMPACTS AND HYDROCARBONS. Transmits information from the engine and the alternator to the control unit. The length of the standard hose supplied by Guangdong is 6 metres and is optionally available up to 19 metres.



CONNECTOR 16/24 PINS. Robust and secure device used in our ATS.