

Automatic Transfer Switch (Motorized Changeover Switch)

CRYSTAL ATS is mainly used in two way power supply system with rated voltage 415 AC 50Hz when, one power supply is abnormal then it automatically transfers between two power supply systems, to ensure power supply reliability and safety.

The ATS has main power, backup power & two way OFF positions, with high breaking & making capacity.

ATS comprises of two on-load switch disconnectors which are coupled together and are mechanically interlocked with common outgoing through protection of each & Individual phase.



RANGE & FRAME SIZE

Current range **100 A to 1600 A** in seven frame sizes in Four Pole in Open Execution & Thick Sheet Steel Enclosure

Size 1	100 A
Size 2	125 A
Size 3	160 A , 200 A
Size 4	250 A , 320 A
Size 5	400 A , 630 A
Size 6	800 A
Size 7	1000 A , 1250 A , 1600 A

SALIENT FEATURES

- Four Operating functions, Emergency manual, Motor remote control, Emergency OFF under auto control status, Auto control operation.
- Flag indicator for three stable positions (1-0-2)& possible switching on or off, on load, thereby fulfilling the roll of switching device.
- All current carrying parts are of special grade E.T.P. Copper and with silver plated.
- Controller have UV, OV, Phase missing & Phase Sequence detection
- Priority Source on Site Selectable
- Adopt Zero position technology it can force to set to Zero position under emergency situation(Cut off both sources)

SPECIFICATIONS

Built to high performance specifications with high quality materials and meticulous quality process with assured best operation on the following parameters

Rated Operational Voltage (V)	415
Rated Insulation Voltage (Ui)	1000 V
Rated Frequency	50/60 Hz
Utilization Category	AC 23 A
Rated impulse withstand Voltage(Uimp)	10 kV

CONFORMS TO STANDARDS

IEC 60947-6-1

APPLICATIONS

Power Distribution
Manufacturing Process
Industrial Building
Residential Building
Commercial Building
Healthcare
Internet Data Centers
HVAC
Tele Communications