



TECO  
東元電機

# ATSH home-use

## Automatic Transfer Switches

TECO  
東元電機

# Automatic Transfer Switches

Apartments, houses, buildings, factories, and shops are suitable as electrical boxes

## Product Introduction

An automatic transfer switch (ATS) is a device that automatically transfers electrical power from the primary power source (normal power source) to the alternate power source (emergency backup power source) when it senses a failure or loss of the primary power source. After a failure, the ATS automatically calls on the backup power source to minimize power interruption. When the mains power returns to normal, the system switches from emergency state to normal state to ensure uninterrupted operation of various loads.



## Features

- ▶ This product is a Magnetic Contactors (MC) type of ATS with mechanical and electrical interlock functions.
- ▶ Single-coil design ensures that the MC switch remains inactive during normal power supply, eliminating power consumption issues.
- ▶ The mechanical window display works in conjunction with the MC switch to accurately indicate the power source without misjudging it.

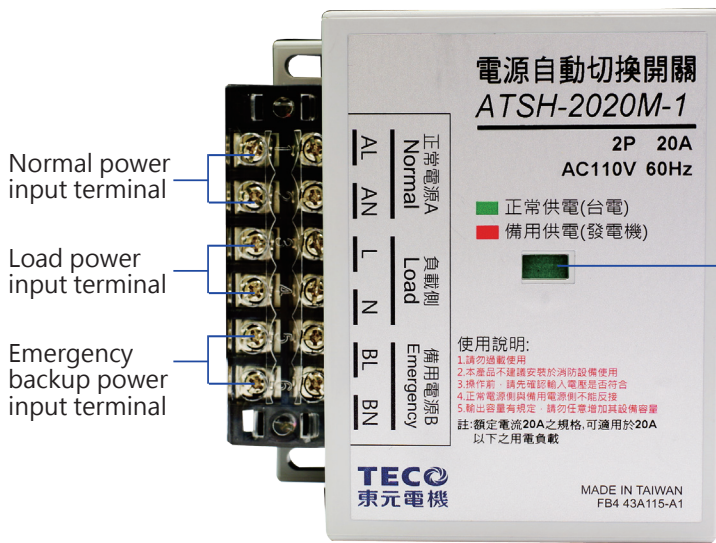
## Precautions

1. Please ensure that the input voltage meets the requirements before operation.
2. The normal power side should not be reversed connection from the backup power side.
3. Output capacity is specified; please do not random increase its device capacity.

## Scope of application

1. Surrounding temperature: -20% to +55°C
2. Altitude: below 2000 meters
3. Relative humidity: 45~80% range
4. An environment free from excess water vapor, oil vapor, smoke, dust, salt, corrosive substances, etc.

## Home-use ATS construction diagram



ATS display windows  
(Green means Normal power supply)  
(Red means Emergency backup power supply)

### Function Description:

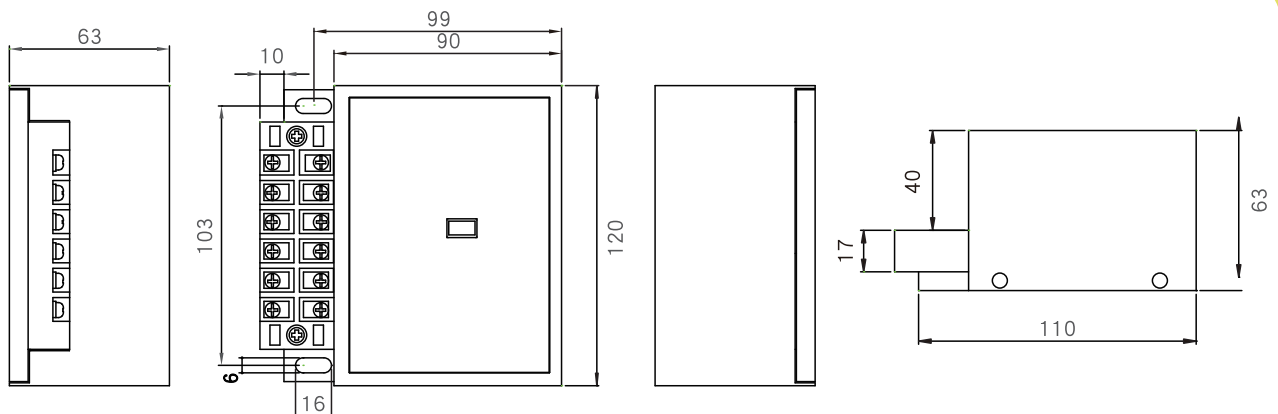
1. Operation Mode: Automatic
  - a. When the normal power supply disappears, the switch automatically switches to backup power.
  - b. When the normal power supply disappears and is restored, the backup power automatically switches to normal power supply.
2. When both normal and backup power sources coexist, the system It will automatically detect for normal power supply.

## Specification

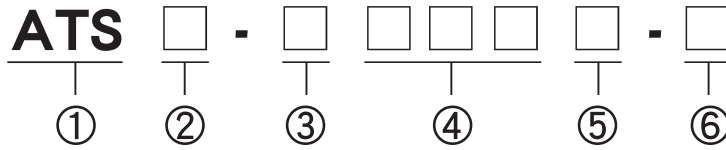
Type	Product classifications	Rated voltage	Number of Poles	Frequency	Degree of protection	Connections	Rated Current	Weight(kg)
ATSH-2020M-1	Automatic	AC 110V	2	50/60Hz	IP 20	Terminal screw	5,10,15,20	0.58
ATSH-2020M-2		AC 220V					5,10,15,20	
ATSH-2030M-1		AC 110V					30	
ATSH-2030M-2		AC 220V					30	

Note: The specifications for a rated current of 20AT are applicable to electrical loads below 20A.

## Dimensions (mm)



# | Type Number Description |



①	Type	Automatic transfer switches
②	Function	Home-use type
③	Number of Poles	2=2P
④	Current rating	020=20A 030=30A
⑤	Product classifications	M=MC type (Automatic switching)
⑥	Rated voltage	1=110V 2=220V

Example : FAATSH-2020M-1 : Home-use type, 2P, 20A, MC type Applicable voltage 110V.



## TECO Electric & Machinery Co., Ltd.

5F, No, 19-9 San Chong Rd., Nan-Kang, Taipei 11501, Taiwan (R.O.C.)

TEL : 886-2-26553333 Ext.2569 FAX : 886-2-66152033



<https://tecoie.teco.com.tw/>  
**Intelligence Energy**

