 Specifications and technical data are subject to change without notice.  
Please contact us to confirm relevant information on ordering.



CIRCUIT BREAKER

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APP

**Ebasee**  
Smart Living Green Ebasee  
**Ebasee Ltd.,China**

## Company Profile

As a leading supplier in the low voltage electrics industry, Shanghai Ebasee Electric Co., Ltd. products have been used for residential, commercial and industrial applications with its quality and service. EBASEE brand is recognized for its quality and reliability in an ever-increasing number of markets worldwide. So far EBASEE products have gained many international approvals, such as **TUV, KEMA, CB, SEMKO, RoHS, CE, and CCC** etc.

With quality raw materials and components supply, all products are manufactured to EBASEE's defined specifications. We have 4 semi-auto production lines, up to date quality control facilities, and well-trained skillful workers. Moreover, with a technical R & D team and fully equipped in-house laboratory, EBASEE factory can carry out efficient new products developing and daily production QC as well.

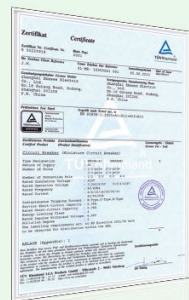
EBASEE have wide range cooperations with world leading companies in new products developing or OEM, ODM cooperation. Meanwhile we also process industry cooperation on intelligent home products, and work with some university such as Xi'an Jiao Tong University on project solutions. EBASEE is focused on achieving growth through the growth and success of its worldwide partners.

EBASEE, guided by the "market-oriented" philosophy, powered with the "Quick response and flexible supply" capability, can support our worldwide partners to compete against established global players to deliver the most comprehensive and cost-effective products and service in the market.

"Smart life, Green EBASEE"



## Enterprise credit



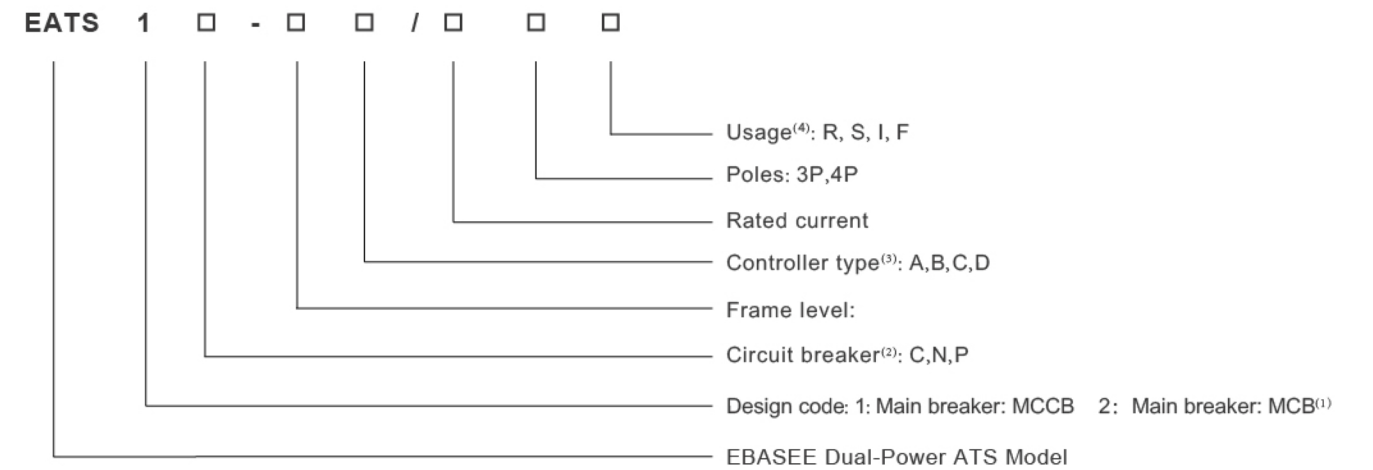
# CB Class EATS1 Series Dual-Power Automatic Transfer Switch

## General

EATS1 series automatic transfer switch is mainly applied in uninterrupted power supply places, when common power supply fails, the transfer switch will automatically connect standby power completing power system transfer, thus continuous and reliable power supply can be ensured

The product is particularly suitable for important place intolerable of power failure. To satisfy the site demand, the automatic transfer switch is equipped with a variety of working modes auto switch auto recovery, auto switch non-auto recovery, grid to grid, grid to generator for selections. The product is applicable for the rated voltage AC220V, frequency 50Hz, rated current 10A to 1250A (CB level) automatic transfer switch products

## Nomenclature



## Note

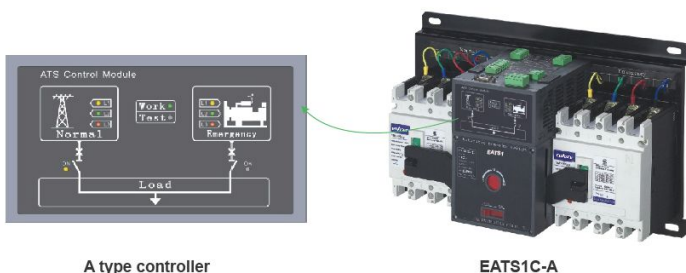
- (1) Ebasee EATS2 series is Dual-power product with MCB as main breaker. For ordering, please contact us.
- (2) Circuit breaker: C—China-made circuit breaker(CM1,C45)  
N—Schneider circuit breaker(NS,C65)  
P—ABB circuit breaker(ABB)
- (3) Controller type: A—Common type(Auto-switch auto recovery integrated type ATS only)  
B—Intelligent type(Displaying power voltage, starting motor, fire-fighting linkage)integrated type  
C—Intelligent type(Compatible of B type controller functions)LED display, split type controller  
D—Intelligent type(Compatible of B type controller functions,LED Chinese language display)split type controller
- (4) Usage: R—Auto-switch auto recovery  
S—Auto-switch non-auto recovery  
I— Mutual standby  
F— Grid to generator

### Structure and characteristics

- EATS1 Series Intelligent Dual Power Automatic Transfer Switch is composed of two pieces of three-pole or four-pole molded case circuit breakers and their accessories (auxiliary contact, alarm contact), mechanical interlocking transmission part, intelligent controller. It has two structures of integrated style and split style. Controller and execution part are mounted on a base in integrated style, while in split style controller is mounted on the cabinet panel and execution part is mounted on the base for the user to install in the cabinet, the controller is connected to execution part with about 2m cable.
- The features are as follows:
  - > Reliable mechanical interlock protection and electrical interlock protection are equipped between two circuit breakers to eliminate of the possibility of the simultaneous closing of the two circuit breakers.
  - > Intelligent controller adopts single chip as controlling core, with which the products is renowned for simple hardware, powerful functions, easy expansion, high reliability
  - > The product is equipped with short-circuit protection, overload protection, overvoltage, undervoltage, open-phase automatic switching intelligent alarm function
  - > Automatic switch parameters can be set in the external freely.
  - > Operating motor intelligent protection is equipped.
  - > The device has fire-fighting interface circuit, when fire-fighting control center issues a control signal into the intelligent controller, two circuit breakers will open
  - > Computer networking interface is spared to prepare for remote control, regulation, communication and detection.

### Controller Functions

#### A type controller



A type controller

EATS1C-A

**A type controller(common type)is mounted with breaker body. Power changeover is decided according to working power voltage.**

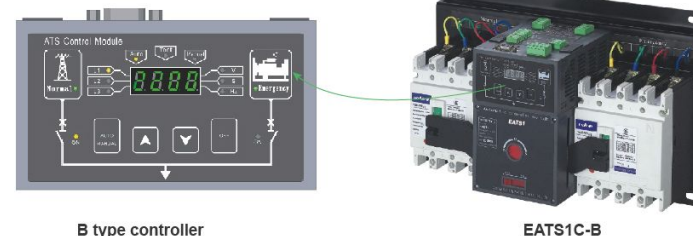
#### Functions

- >Auto mode and manual mode can be alternative choice;
- >Monitoring whether the two circuits have open-phase, under-voltage and the indicator shows whether the two circuits source power voltage is normal and switch position;
- >Changeover type is auto switch auto recovery.

#### Electric characteristics

Rated working voltage	220V AC 50Hz
Changeover time delay	0.5S

#### B type controller



B type controller

EATS1C-B

**B-type controller adopts intelligent SCM program; It is smartly connected to switch body as a single entity, easy to operate, powerful functions; and based on B-type controller, C-type split controller and D-type LCD Chinese interface split controller can be added.**

#### Functions

**Accurate display of two circuit three-phase voltage, frequency and switch state quantity;**

- >User can reset parameters on site, such as work status, changeover delay;
- >Mode of auto switch auto recovery, auto switch non-auto recovery, grid-generator can be selected freely.
- >Fire-fighting alarm linkage-changeover in dual-open position ;
- >Manual changeover and auto manual changeover can be used
- >Generator start signal can be issued under grid-generator mode;
- >Changeover delay time can be freely reset;
- >It has a very strong anti-jamming capability, suitable for complex environment of strong electromagnetic interference;

#### Electric characteristics

Working voltage	AC220V AC 50Hz
Changeover time delay	0.5s ~ 90s continuous resettable
Recovery delay	0.5s ~ 90s continuous resettable
Under-voltage changeover value	145V ~ 210V continuous resettable
Overvoltage changeover value	230V ~ 300V continuous resettable
Changeover time	<4s

**C, D type controller**

If user requires split controller, C-type or D-type controller can be installed on panel of the control cabinet with a 2m long USB, B-type controller can be connected after connection, all operation and display functions on B type controller on the switch body are in disabled state (that is, the switch body display automatically turns off), the external controller starts working, users can observe EATS state, operate and control the switch through the operation interface of the external controller without opening the control cabinet.

**C type controller characteristics and functions**

- >LED and indication light are adopted to display switch status and two-circuit power voltage and frequency;
- >Manual changeover and parameters settings can be achieved through pushbutton



EATS1C-C

C type Controller

**D type controller characteristics and functions**

- >Large-screen LCD displays switch status and two-circuit power voltage, frequency; Chinese display interface is more intuitive, more convenient for operation;
- >Manual changeover and parameters settings can be achieved through pushbutton

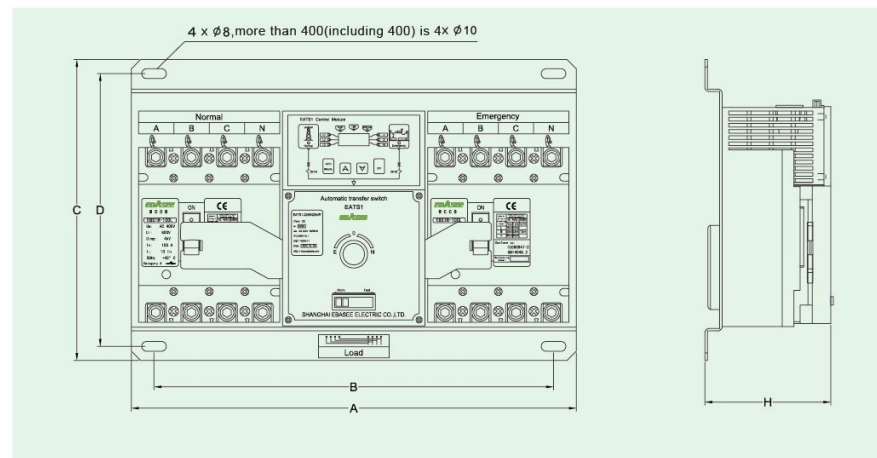


EATS1C-D

D type controller

**Overall and Installation Dimensions**

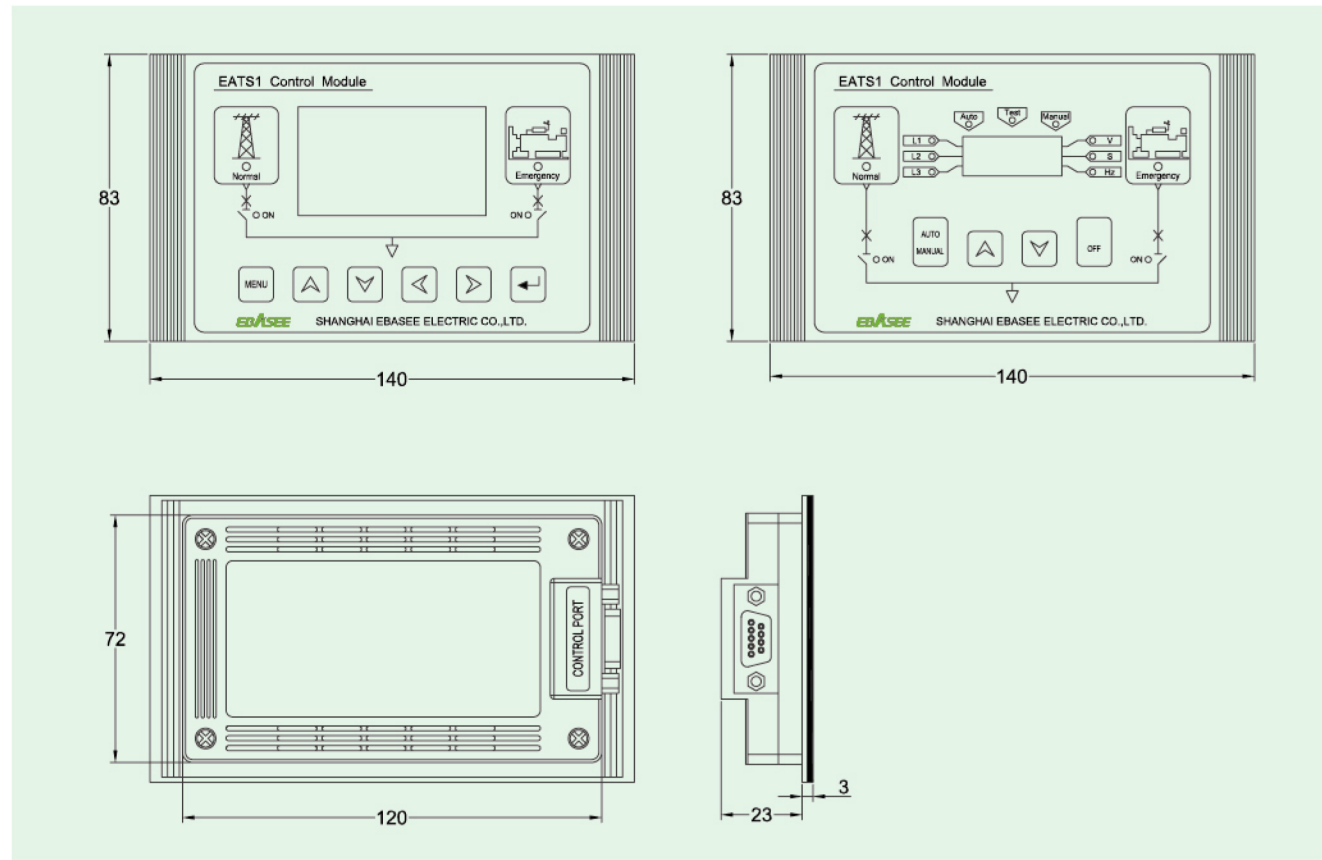
EATS body diagram



EATS body size

spec	size	A		B		C	D	H
		3P	4P	3P	4P			
EATS2C-63		285	320	245	280	255	230	141
EATS2N-63		285	320	245	280	255	230	141
EATS2P-63		285	320	245	280	255	230	141
EATS1C-63		305	355	265	315	255	230	141
EATS1C-100		335	395	295	355	255	230	141
EATS1C-225		365	435	325	395	255	230	155
EATS1C-400		491	587	431	527	330	300	215
EATS1C-630		524	640	464	580	330	300	215
EATS1C-800		580	720	520	660	340	310	215
EATS1C-1250		580	720	520	660	415	385	290
EATS1N-250		355	425	315	385	255	230	148
EATS1N-630		497	587	437	527	355	325	215
EATS1P-125		305	355	265	315	255	230	155
EATS1P-160		335	395	295	355	255	230	155

Split controller dimension



Split controller hole size

