

Introduction flow

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- 4 On-site inspection
- 5 Order
- 6 Installation work
- 7 Ex-post data analysis

product specification

volume	outside dimension(mm) W×H×D	Connection electric wire		weight kg
		Length	wire	
30kVA(3p3w) built-in	300 x 170 x 140	2.7m,3W	CV14	7
50kVA(3p3w) built-in	360 x 170 x 150			9
100kVA(3p3w) built-in	320 x 200 x 160			11
The lineup from 100kVA becomes the build-to-order manufacturing. (The size is a reference number.)				
150kVA(3p3w) Individual model	(180×232 x 116) x 3	2.7m,3W	CV14~38	17
200kVA(3p3w) Individual model	(190×272 x 142) x 3			21
300kVA(3p3w) Individual model	(190×292 x 142) x 3			33
400kVA(3p3w) Individual model	(180×332 x 152) x 3			39
500kVA(3p3w) Individual model	(190×352 x 162) x 3			42
750kVA(3p3w) Individual model	(240×442 x 152) x 3			66
1000kVA(3p3w) Individual model	Order made			90

※The size is a reference number.

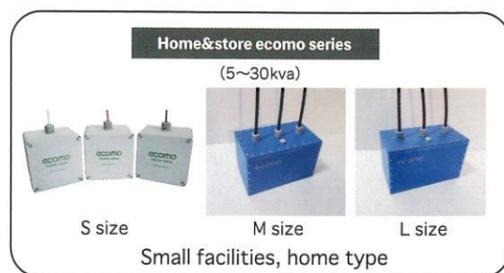
Product lineup



3-phase individual type



3-phase integrated type



Small facilities, home type

Case study

Fujisho Factory Co., Ltd.



Installation date ... April 2018
Unit ..50kVA×3

11.5% reduction

Bandai Special Plywood Co., Ltd. Factory



Installation date ... June 2017
Unit ..600kVA

10.0% reduction

Clothing manufacturing and sales company



Installation date ... August 2021
Unit ..50kVA

9.0% reduction

Clothing manufacturing and sales company



Installation date ... October 2013
Unit ..1,250kVA (700+500)

9.0% reduction

Toyo Corporation



Installation date ... July 2018
Unit ..60kVA

15.0% reduction

Auto parts manufacturing plant



Installation date ... July 2021
Unit ..30kVA×3

13.5% reduction

Major automobile company



Installation date ... February 2020
Unit ..300kVA

9.6% reduction

Major chemical product manufacturing plant



Installation date ... May 2015
Unit ..800kVA (400+400)

9.9% reduction

For inquiries and applications, please contact the following



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Inquiry

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Electric consumption
up to **15%** reduction

The next generation power saving unit "ecom"o

ecomo[®]
Patented



PL insurance

Made in Japan

Power saving with ecomo everywhere



Ecomo is a power saving unit that reduces electricity usage by 3-15%.

CO₂ reduction

By saving electricity using ecomo, we reduce the CO₂ emitted when fossil fuels are burned (during power generation) and contribute to the prevention of global warming.

Safe and Secure

Since no electricity runs to the ecomo main unit, it does not generate heat. In addition, since power is supplied from the power supply to the load without going through ecomo, it can be installed with confidence in any load.

Easy installation

It can be installed in about 30 minutes.

Movable

Even when the factory or office is relocated, ecomo can be removed and re-installed, so it can be used for a long time.

Power consumption

Power consumption after ecomo installed



ecomO.

15 years design life

It has a long life design of 15 years so that it can be used for a long time.

7 years warranty

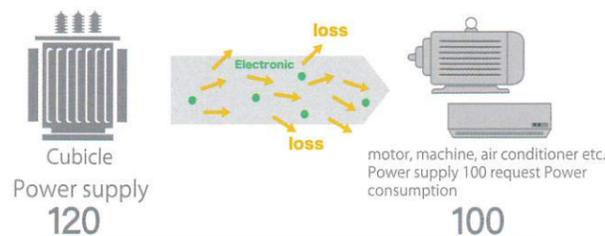
We are confident in the quality, so we guarantee the quality for 7 years. Please use it with confidence.

How it works

Improve electricity flow

The "electrons" emitted by tourmalin improve the current in the wire. *This is for illustrative purpose.

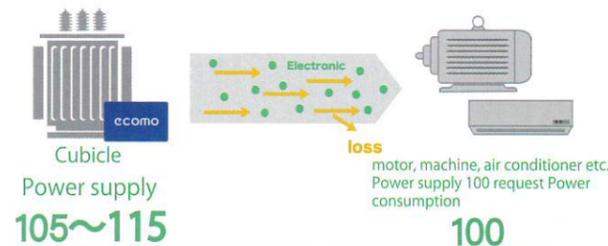
Current situation



Usually, there are any loss in electric wire and electronic devices

Power loss **20%**

With ecomo



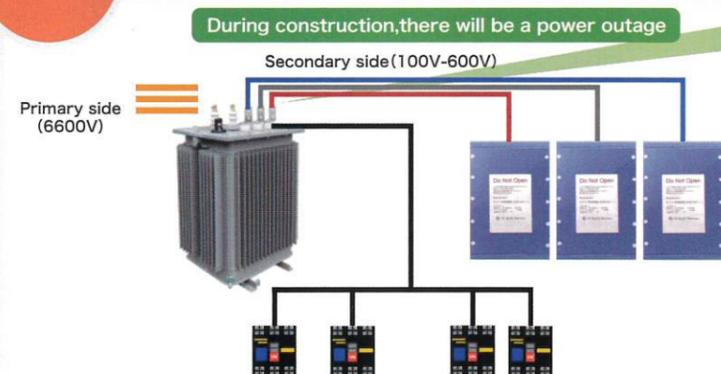
Electrom emitted by ecomo and noise removal effect of ferrite lubricate the current flow.

Power loss reduces by about **10%**

Installation image

Simply connect to the secondary side of the transformer or the secondary side of the breaker

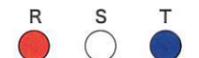
It can be easily installed in about 30 minutes to an hour.



During construction, there will be a power outage



① Connect to the 3 phases of the secondary R/S/T of the transformer using crimp terminals



② Fix it to withstand external shocks according to the customer's instructions.

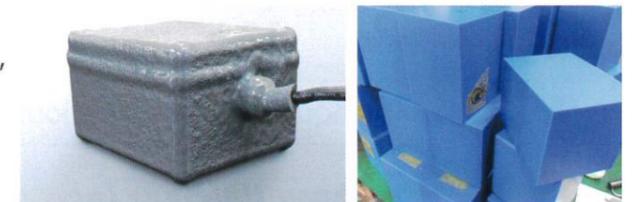
Home Ecomo may also be attached to a breaker.

Safety

Processed with special paint

We have improved the safety so that you can use it with peace of mind.

Ecomo's inner box is protected with acryl resin paint, and its outside box is made of cast nylon. In addition to being waterproof, it is coated with excellent impact resistance, abrasion resistance, rust prevention, and chemical resistance.



Inside

Made from natural minerals

It is composed of minerals with high dielectric constants such as tourmaline and ferrite.



What is Tourmaline?

It was named Electric Stone by Swedish scholar Carl Linnaeus in the early 18th century. Later, in the 19th century, scholars such as the Curie brothers and Riecke discovered that it emits 0.06 mA of electricity when pressure or heat is applied, and later a related paper was published by physicist Professor Kubo Tetsujiro of the University of Tokyo. Tourmaline is the only mineral on Earth that generates electricity, and it has been confirmed to be a "permanent electrode" that continues to generate electricity indefinitely, no matter how small it is crushed, unless it is heated to nearly 1000°C.



What is Ferrite?

It is a magnetic material made by mixing and sintering iron oxide as the main component with cobalt, nickel, manganese, etc., and can be used as a magnet.

SDGs

Carbon neutral

ecomO is working on "SDGs" and "Carbon Neutral".

ecomO contributes to the following two items



ecomO reduces CO₂ by about 22.5t per 100kVA
Demonstrates a reduction of 2,557 cedar trees (about 2.5ha)

Values are estimated based on our standards.