COPOWER

Cooperate in Electrical Power Industry with you to Save Energy Together

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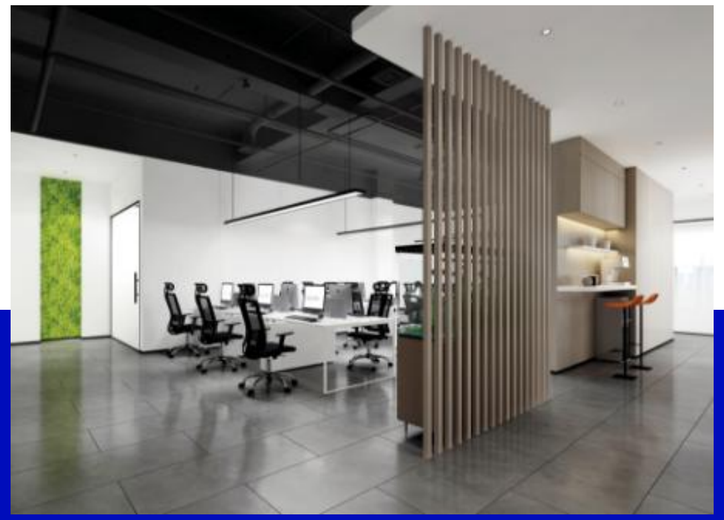
About Us

CoEpower

- Leading manufacturer of Power Quality Equipments
- ODM Factory of Power Quality Equipments
- Customized Solution Provider of Power Quality Problems
- TUV LVD & EMC certified manufacturer



- University-Enterprise Cooperation with China TOP1 Electircal University
- Cooperated Laboratory in Xi’an Jiaotong University

Our Mission

The goal of CoEpower is to become a world-wide leader in Power Quality Field!

Value

Focus on Product Innovation!

Focus on Product Quality!

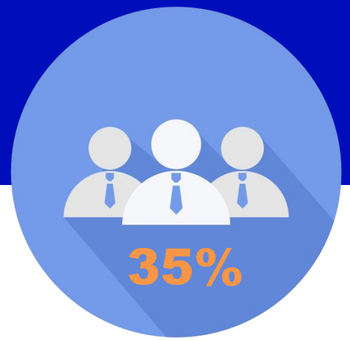
Focus on improveing service support for clients!

Our Team

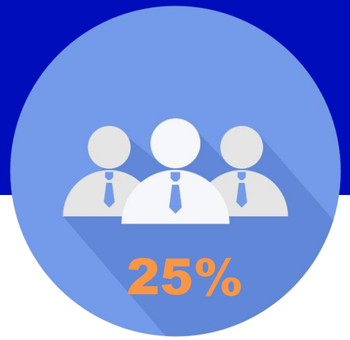
CoEpower team currently has 120 employees

Core-members have more than 10 years experience and All R&D members have more than 5years experience in electrical industry

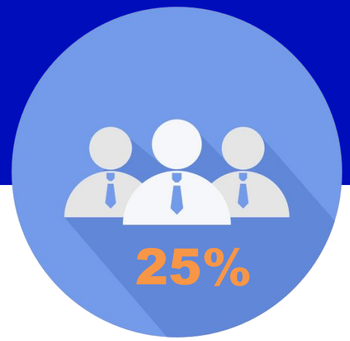
R&D Team can design the different function\software\hardware of power quality products to meet the different requriement.



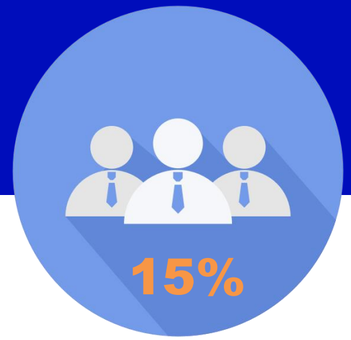
R&D Team



Marketing Team

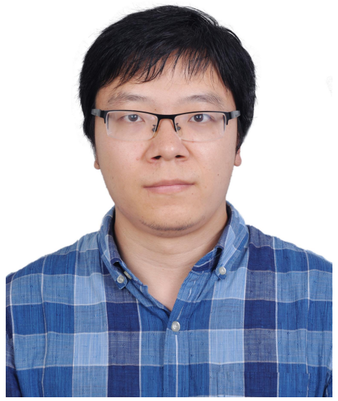


Production Team



Functional Team

Our R&D Team Leader



Prof. Dr. Yi Hao

Research Field

Research on power electronics technology in power quality control, distributed generation and microgrid control, grid-connected converter modeling and control, etc.

Resume

CoEpower/ One of the founders

Xi'an Jiaotong University, Professor, Doctoral supervisor

Department of Energy Technology, Aalborg University, Denmark, Visiting Scholar

[1] Hao Yi*, Fang Zhuo, Yan'jun Zhang, Yu Li, Wen'da Zhan. A Source Current Detected Shunt Active Power Filter Control Scheme Based on Vector Resonant Controller [J]. IEEE Transactions on Industry Applications, 50(3), pp: 1953-1965, May-Jun, 2014. (SCI:AL2VS) ISSN: 0093-9994 (IF:2.046)

[2] Hao Yi*, Fang Zhuo, Yu li, Yan'jun Zhang, Wen'da Zhan. Comparison Analysis of Resonant Controllers for Current Regulation of Selective Active Power Filter with Mixed Current Reference[J]. Journal of Power Electronics，13(5), pp: 861-876, 2013. (SCI: 220FP， IF:1.238)

[3] Hao Yi*, Fang Zhuo, Yan'jun Zhang, Jin'jun Liu, Wen'jie Chen. A source current detected APF control scheme based on novel resonant regulator[C]. IEEE Energy Conversion Congress and Exposition, Raleigh, N.C., U.S., Sept. 15-20, pp: 1004-1010, 2012.(EI:000312901701038)

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Our Milestones

Since CoEpower established, we have rapidly developed a variety of power quality products with the rich experience of R&D team, and these products can meet the different electricial parameter requirement of various markets from worldwide.

From 2020, we started exporting power quality products to markets across Europe , Australia, America and Asia.

2018

Founded on January 31, 2018.
Registered capital of 7.5 million US dollars

2020

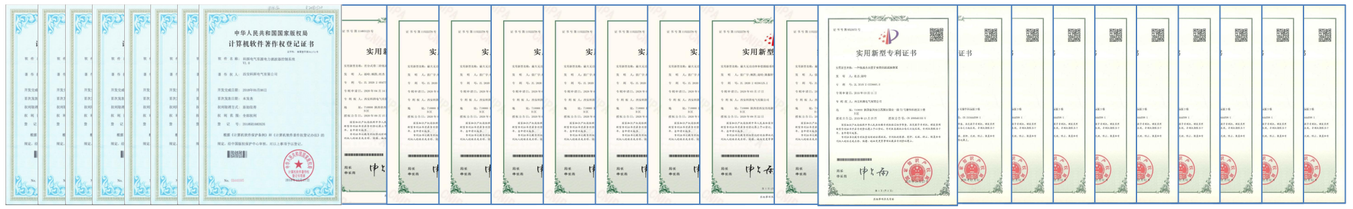
Started exporting power quality products to oversea markets in 2020

2023

Sales volume exceeded 30 million US dollars

Our Awards

- University-Enterprise Cooperation Authorization
- Power quality Standard Drafting
- 34 Patents
- 12 Copyrights
- TUV LVD&EMC Certificates
- 7 Chinese Standard co-founders in PQ field

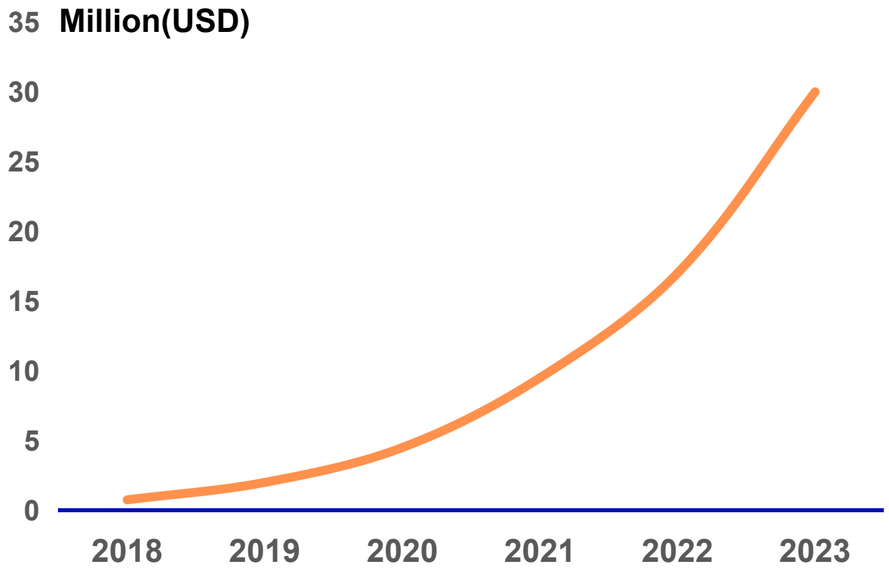


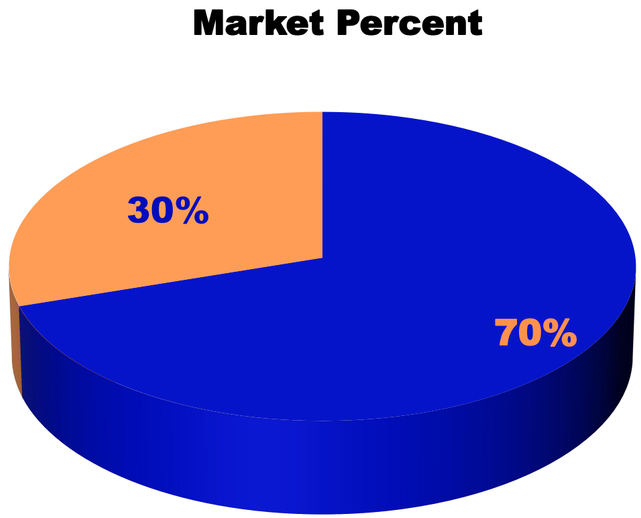
Our Business Scope

60+ Countries

30,000+ Projects

Our Business Growth

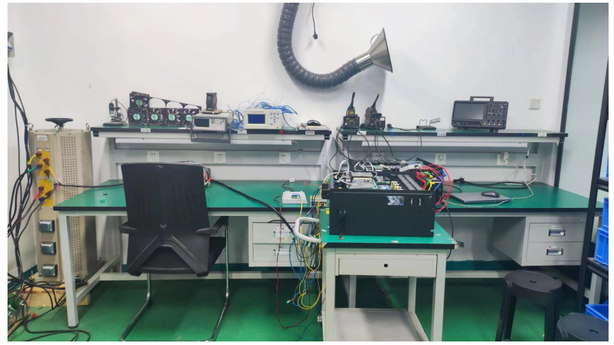




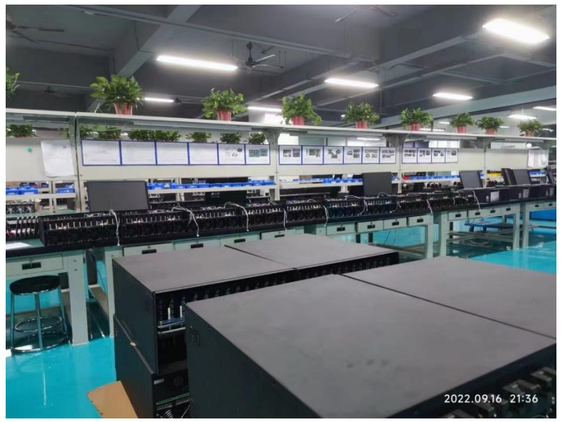
The average annual sales revenue growth rate is more than 100%

70% Markets in China , 30% Markets in Overseas

Our Production Line



Our Production Capacity



Production Capacity 500PCS/DAY

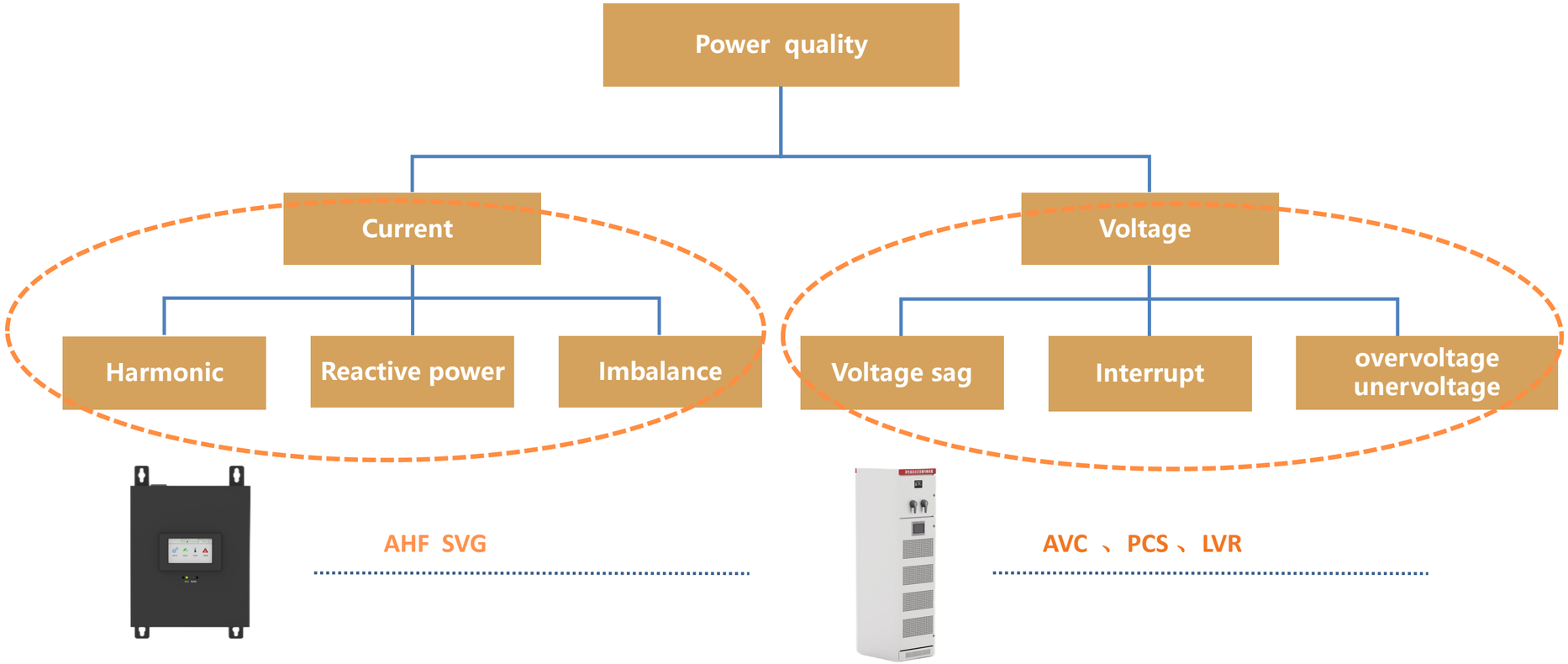
Delivery Capacity 300PCS/DAY

Products

Profile

CO POWER

CoEpower Power Quality Solution



Power quality is not an isolated concept. In power system, the power quality problems will exist comprehensively, but different systems and load equipment will lead to different problems.

Active Harmonic Filter (AHF/APF)






Active Harmonic Filter(AHF/APF)								
800V	80A							3P3W
690V	100A							3P3W\3P4W
440\480V	50A	100A						3P4W
440V\480V	15A	25A	50A	75A	100A	120A		3P3W
400V	10A	20A	30A	50A	75A	100A	150A	3P3W\3P4W
220V	10A	20A	30A	50A	75A	100A	150A	3P3W\3P4W

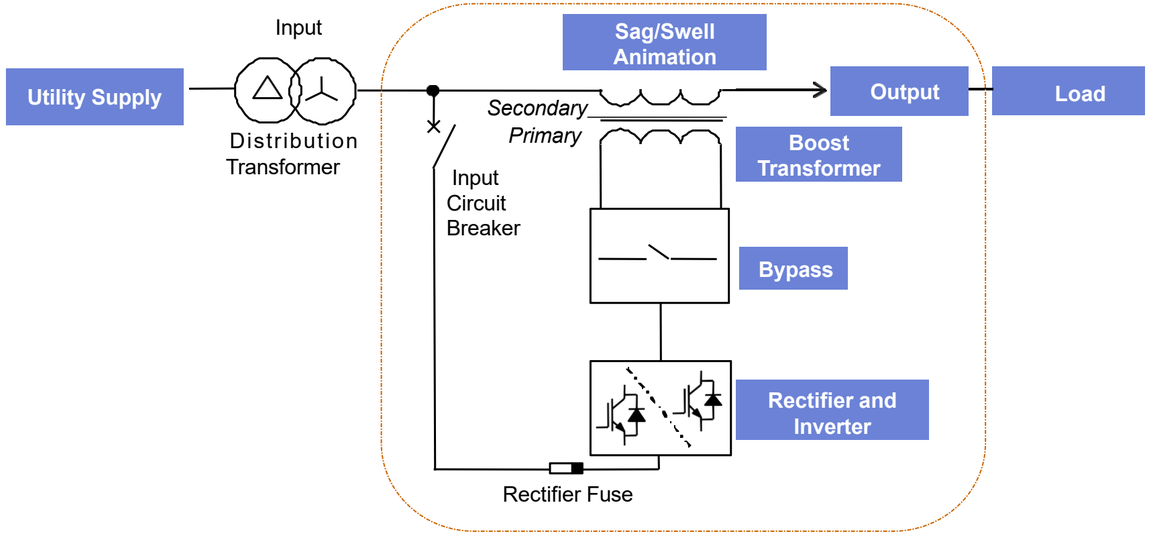
Static Var Generator (SVG)






Static Var Generator(SVG)								
800V	110kVar							3P3W
690V	120kVar							3P3W\3P4W
440\480V	30kVar	83kVar						3P4W
440\480V	12kVar	20kVar	30kVar	60kVar	80kVar	100kVar		3P3W
400V	5kVar	10kVar	20kVar	30kVar	50kVar	75kVar	100kVar	3P3W\3P4W
220V	3kVar	5kVar	10kVar	15kVar	20kVar	30kVar	55kVar	3P3W\3P4W

AVC- Active Voltage Conditioner



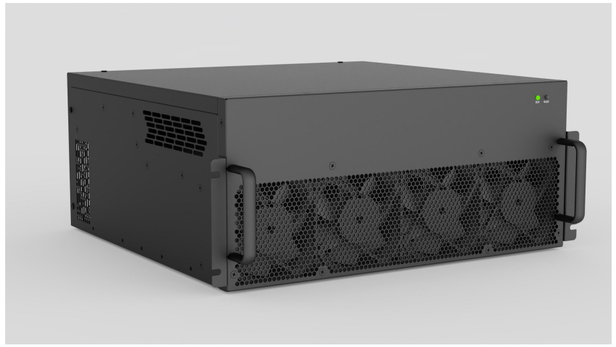
Strong overload capability and dynamic response capability

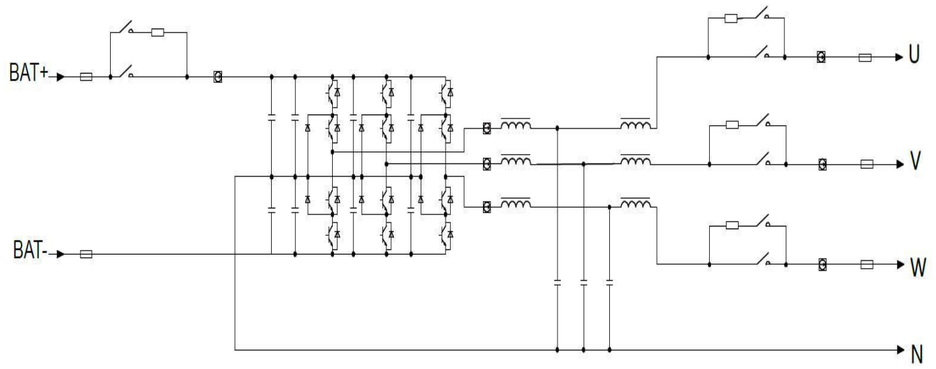
No energy storage components

High efficiency and low loss

Operate in four quadrants

PCS- Power Converter System





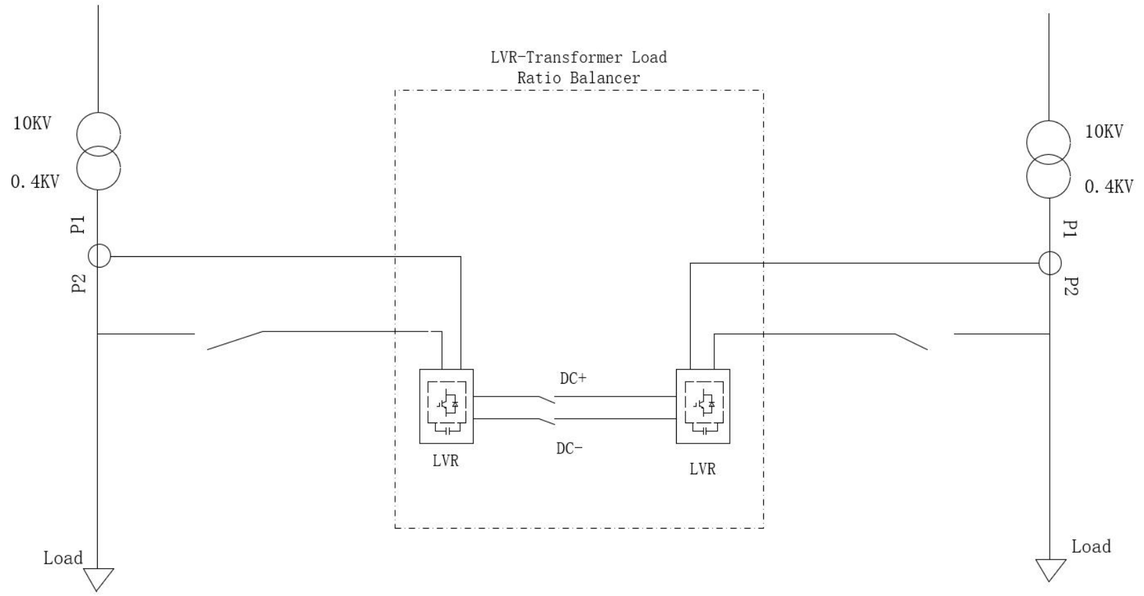
High efficiency

Integrated function

Stable Design

Easy installation

LVR -Transformer-Load Ratio Balancer



Avoid transformer overload

Balance transformer output

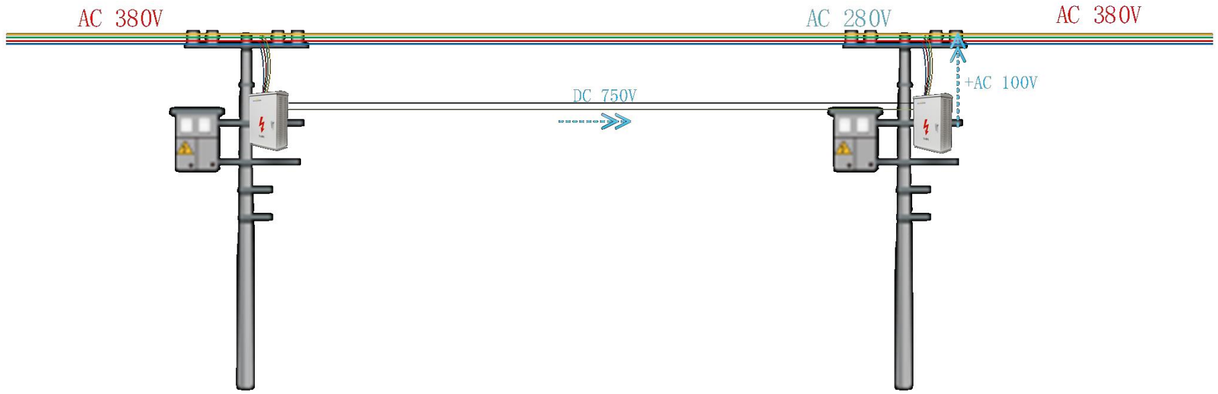
Enhancing distributed energy access

Improve power quality

LVR- End Voltage Buck-Boost

Rectifier(AC/DC)

Inverter(DC/AC)



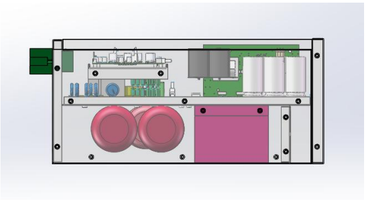
Effectively Control the Voltage Drop

Reduce Cable Loss

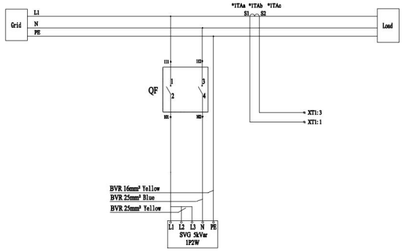
Improve Power Quality

Keep System Voltage Stable

Customized Solution

Mini AHF\SVG	Fanless AHF\ SVG	800V Power Pro AHF\SVG	Water-Cooling AHF\SVG	Outdoor AHF\SVG	Fully-Sealed AHF \SVG
(10A\5kVar)	(20A\10kVar)	(80A\110kVar)	(100\150A, 75\100kVar)	(100\150A, 75\100kVar)	(100\150A, 75\100kVar)
					
Better Sampling Accurancy it is the new market opportunity to eliminate 0-1kvar capacitive power.	**Lower Noise** it is used in office, hotel, store and resturant etc	**Higher Votage Support** it will be use in PV plant to solve PF problems.	**Better Heat Dissipation** it is a good solution for data center.	**Higher Protection Level** it is a new market opportunity in outdoor power quality projects.	**More Harsh Condition** it is used in very harsh conditions(Conductive dust)

Customized Solution

Rogowski Coils Sampling	Safer protective cover	Hybrid compensation soluiton	High voltage sampling Low voltage compensation	Single phase ,1P3W, 2P3W 120V/220V AHF /SVG
				
Easier Sampling it will be use in PV plant to solve PF problems.	**More Safe Wring**	**Lower cost better** More flexible compensation	**No load (Small current) Compensation** it is no load solution (small current), especially transfomer only use very small capacity.	**More Connection Option** Wider application it is imporving residential power qulitay

CoEpower Roadmap

2013

In 2013, our team finished the algrithim of APF and SVG

2016

In 2016, APF 100\150A and SVG 75\100Kvar developed successfully . APF and SVG were applied in domestic market broardly.

2018

In 2018, we created “CoEpower “ brand . 690V APF 100A, SVG 120kVar developed successfully

2020

In 2020, 110\220V APF, SVG were developed for south america market.

2022

In 2022, Fanless APF 20A, SVG 10kVar were developed .
PCS \DC-DC module developed successfully

2023

In 2023, AVC\DVR\LVR is developed successfully

2024

In 2024, More AVC serials will be finished

Future

In the future ,
1. Focus on SiC APF /SVG will be developed
2. Focus on voltage optimizer

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Thank You

For Your Attention

COEPOWER