



# WHO IS PESS

As PESS company our main goal is;

To be a globally recognized R&D company that provides engineering solutions in the field of power electronics.

We are proud to serve with our team who are experts in their fields, who can use **theoretical and practical knowledge together**, and who have experience in every field related to power electronics.

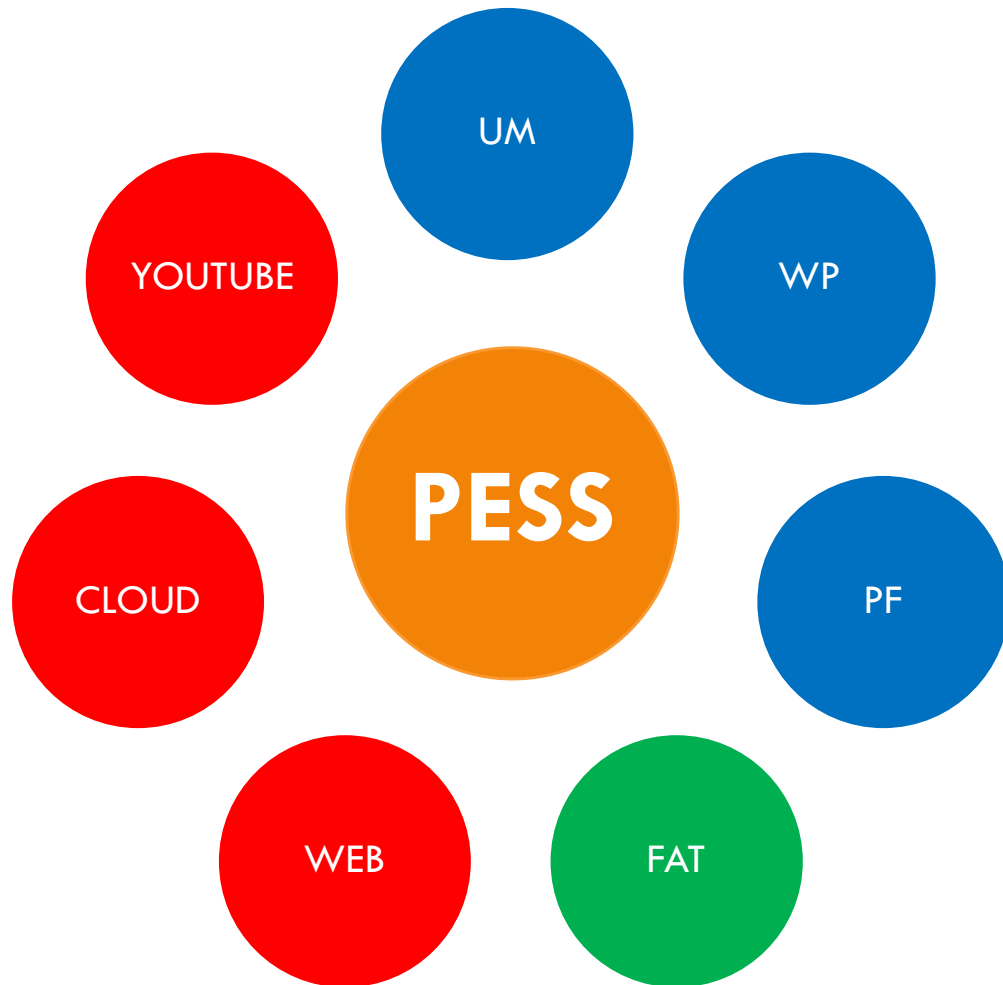
# VISION & MISSION

Our vision is to produce value-added power electronics products and R&D solutions needed in the fields of industrial energy, defense industry, medical electronics and automotive industry with the **MADE IN TURKEY** logo and to export them to the whole world. We aim to grow our brand in the target markets of the **Middle East, South Asia, South America and Russia** with our wide-partner customer network by cooperating with **R&D-PRODUCTION** collaborations with companies that have gained market share in their own countries.

We provide customized **production advantage** by offering the control units of all panel-type and high-power power electronics products to our customers as **plug-and-play** independent of the main panel.

In the field of power electronics; We provide support to special applications and projects by producing R&D solutions with embedded system design, integrated communication software





## CONTENT SUPPORT

**UM (User Manual): Product User Guide**

**WP (White Paper): Sample product design guide ,engineering application and improvement**

**PF (Project File): Technical Drawings File**

**FAT: Company Acceptance Test Reports**

**WEB: Up-to-date content support with web**

**CLOUD: A cloud database where customer-specific project files, meeting notes, presentations analyses and statistical data are stored**

**YOUTUBE: Training, Promotion ,Technical Support Videos**

# QUALITY AND BRAND

TRADEMARK



CE CERTIFICATE



ISO 22301: 2019



ISO 14001: 2015



ISO 10002: 2018



ISO 9001: 2015

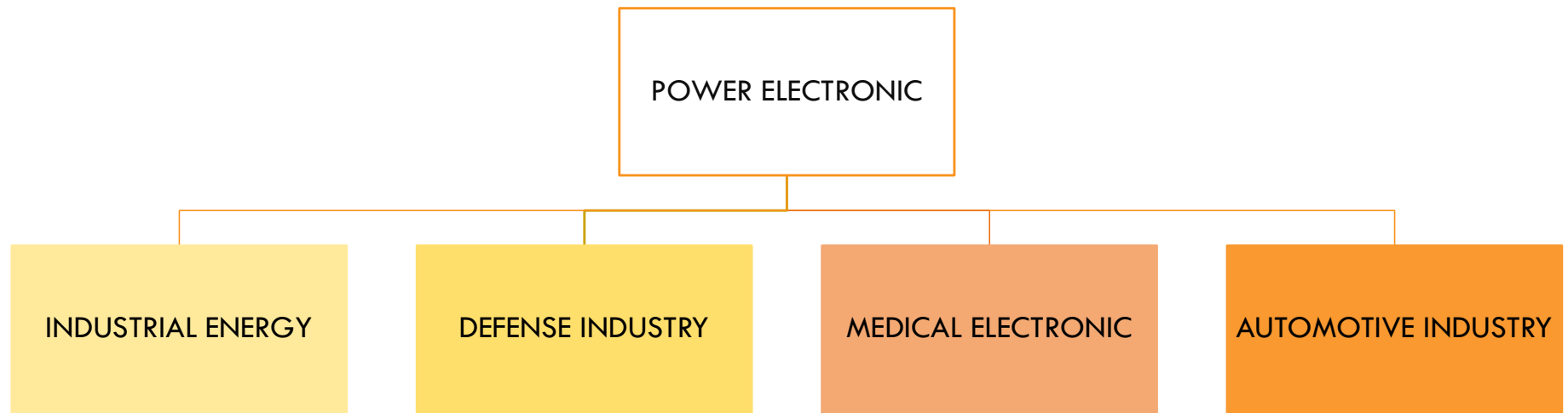


ISO 31000: 2018

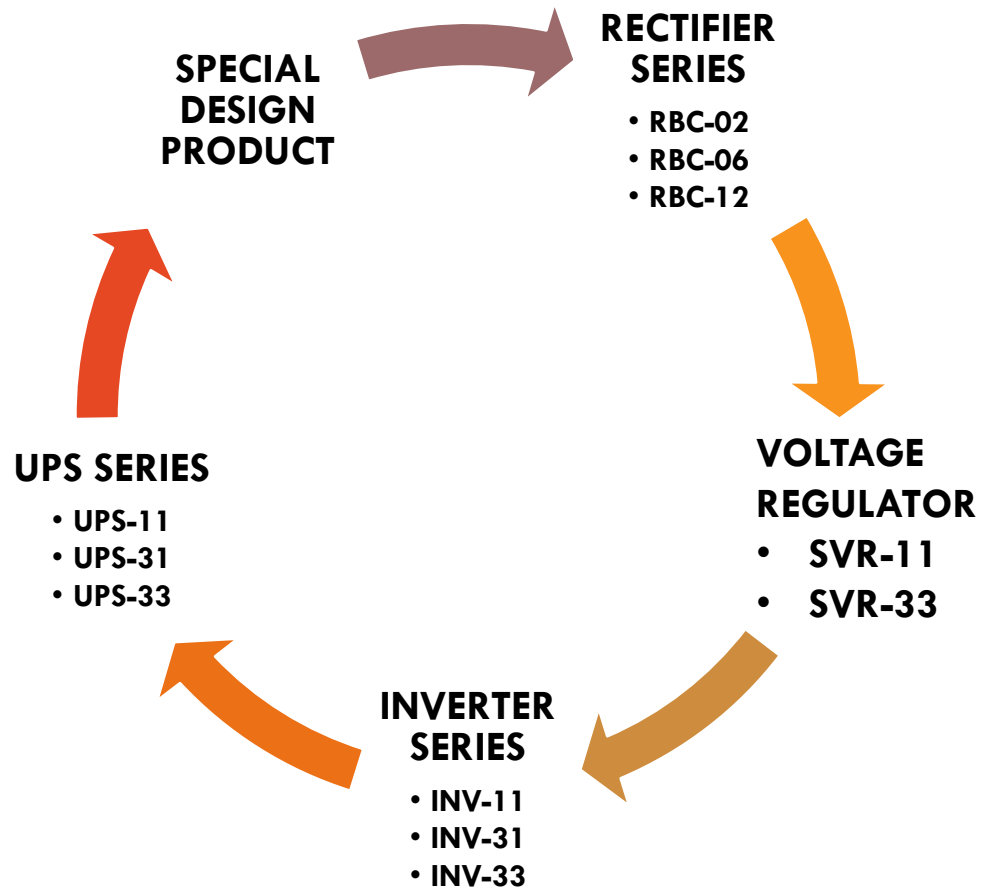


ISO 45001: 2018





OUR FIELDS OF ACTIVITY



# PRODUCTS

## PESS RBC-06

3 Ph 6 pulse Rectifier Up to 600A

Detail	Advantages	Download
<p>Optimized design: Battery can represent a significant part of UPS budget in greenfield or brownfield projects. That's why PESS RBC-06 is designed with a wide output DC voltage range to optimize:</p> <ul style="list-style-type: none"><li>• Number of battery cells</li><li>• Battery capacity and therefore the price, as per the required autonomy</li><li>• Various solutions to operate with the differing input voltage networks (nominal value, tolerance, frequency)</li><li>• Various LVD and Dropper configurations to get flexible design</li></ul>		

## PESS RBC-02

1 Ph 2 pulse Rectifier Up to 200A

Detail	Advantages	Download
<p>Optimized design: Battery can represent a significant part of UPS budget in greenfield or brownfield projects. That's why PESS RBC-02 is designed with a wide output DC voltage range to optimize:</p> <ul style="list-style-type: none"><li>• Number of battery cells</li><li>• Battery capacity and therefore the price, as per the required autonomy</li><li>• Various solutions to operate with the differing input voltage networks (nominal value, tolerance, frequency)</li><li>• Various LVD and Dropper configurations to get flexible design</li></ul>		

## PESS RBC-12

3 Ph 12 pulse Rectifier Up to 600A

Detail	Advantages	Download
<p>Optimized design: Battery can represent a significant part of UPS budget in greenfield or brownfield projects. That's why PESS RBC-12 is designed with a wide output DC voltage range to optimize:</p> <ul style="list-style-type: none"><li>• Number of battery cells</li><li>• Battery capacity and therefore the price, as per the required autonomy</li><li>• Various solutions to operate with the differing input voltage networks (nominal value, tolerance, frequency)</li><li>• Various LVD and Dropper configurations to get flexible design</li></ul>		

# RECTIFIER FAMILIES



# UPS FAMILIES

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**UPS-11**    1 PHASE INPUT , 1 PHASE OUTPUT

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RBC-02 + INV-11

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**UPS-31**    3 PHASE INPUT , 1 PHASE OUTPUT

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RBC-06 + INV-31

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RBC-12 + INV-31

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**UPS-33**    3 PHASE INPUT , 3 PHASE OUTPUT

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RBC-06 + INV-33

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RBC-12 + INV-33

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# VOLTAGE REGULATOR FAMILIES

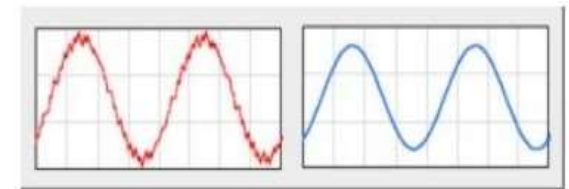
## FEATURES

- $\pm 10\%$  Adjustable output voltage over PC Control software
- Micro controller based control
- Working with non-linear loads
- Mosfet controlled servo motor driver
- Modbus communication over RS485 communication struce
- Programmable Free alarm relay outputs
- Compact designed for space limited applications

## SPECIAL FEATURES

- Over voltage protection
- Over current protection
- High precision AC voltage balancing
- Automatic and manual bypass switching
- PC control software for calibration and communication

## APPLICATIONS



# SVR FAMILIES

## SVR-11

- 1 PHASE INPUT
- 100 kVA

## SVR-33

- 3 PHASE INPUT
- 500 kVA

## OUR COLLABORATIONS



A strategic cooperation agreement has been signed with **API, ANDALAN POWER INDONESIA** company to carry out marketing, sales and technical service activities abroad in **INDONESIA and SOUTH-EAST ASIA**, to combine the R&D, design and production potential of PESS with the offshore production method.



A strategic cooperation agreement was signed with the **Presidence of Defence Industry approved iHAMER** company. Our company; It receives help from iHAMER company for cabling and testing services of power units. The necessary preparations are being completed to work together in defense industry projects such as **ASELSAN, TAI, etc.**



We have cooperated with MP SYSTEM company on the design, renewal and R&D processes of **PANEL, CABIN and METAL BOX** in accordance with our projects.



A strategic cooperation was made with ELİZAN ELEKTRİK to operate together in the Turkish compensation market and the innovative product design process that will **lead the market has begun.**