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# POWER ELEKTRONIK SOLUTIONS

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# Main Topics of the Webinar

- Company Introduction
- Currently Solutions



# Power Group Companies



POWER ELEKTRONIK



POWER SOLAR ENERGY

**EU Office:**  
**POWER SOLAR ENERGY ELECTRONIC B.V. /Nederland**



POWER ENGINEERING



EV CHARGER MANAGEMENT

# ABOUT US

## Power Elektronik

was established in 1999 and became a powerful brand afterward in Turkey. Since 23 years actively works to meet industrial power solutions with the clients.

**Power Solar** is committed to the highest level of quality. That's why we select the best components and industry-leading performance models to ensure your system will produce optimally. Our highly-trained installation crews take pride in delivering beautiful well-made solar arrays.

**Power Engineering** established in order to provide engineering design servicing for both Power Elektronik and Power Solar.

### GOAL

To be one of the leading companies.

### MISSION

To manage reliable, adequate, quality production and customer relations correctly.

### QUALITY POLICY

- To be a well-known company all over the world.
- To gain the trust of customers by improving quality management
- To maintain good relations with customers by supporting them with their problems.
- To follow the innovations and invest in the necessary issues.
- Increasing production efficiency.

# Achievements

We are moving forward to reach our goal by completing our missions very confidently.

**23**

Year

**10000+**

Customer

**500+**

Project

**45**

Dealers

**70**

Person

**13**

Quality  
Certificates

# POWER SOLUTIONS



3PH UPS



1PH UPS



RECTIFIERS & BATTERY CHARGERS



BATTERIES



VOLTAGE STABILIZERS



DYNAMIC UPS



AC/DC EV CHARGING STATIONS



SOLAR ENERGY SYSTEMS

**POWER ELEKTRONIK**

**EV CHARGING STATIONS**

**&**

**ESS (Electrical Storage Systems)**

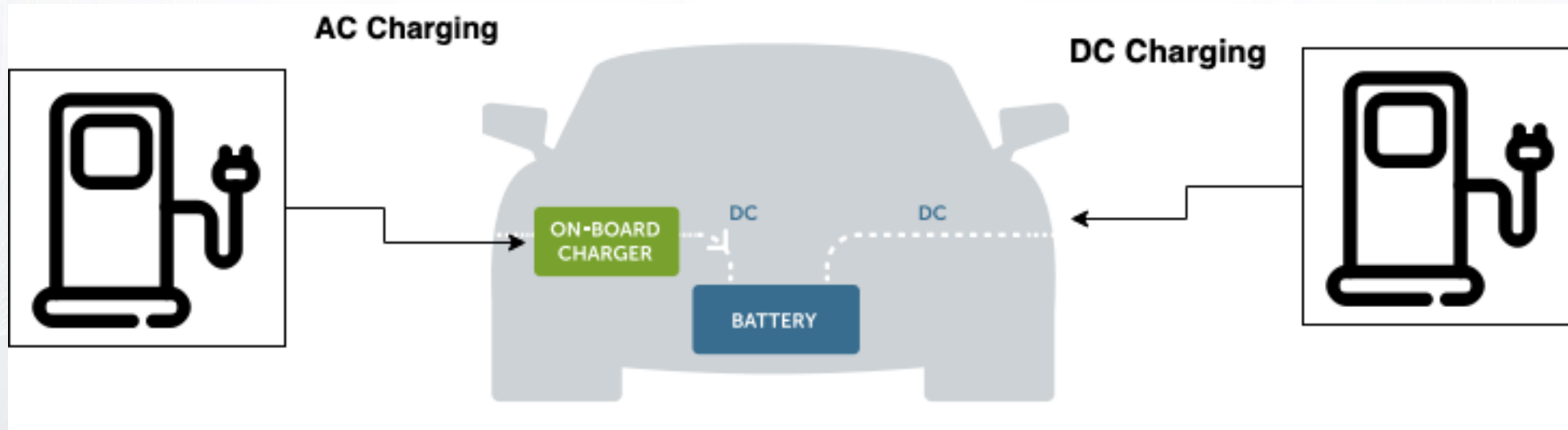


# EV CHARGING SOLUTIONS

- Home & Smart & Public
- Charging Management System
- AC And DC Fast Charge
- Renewable Energy Systems
- Technical Services



# AC CHARGERS VS DC CHARGERS



## AC

- USES EV'S ON-BOARD-CHARGER
- CHARGEING TIME DEPENDS ON OBC POWER
- REQUIRES LOW POWER SO THAT YOU CAN USE AT HOME

## DC

- USES RECTIFIERS IN DC STATION
- CHARGING TIME DEPENDS ON CHARGER STATION POWER
- REQUIRES HIGH POWER SO THAT IT NEEDS HIGH POWER GRID INFRASTRUCTURE

# EV CHARGER SOLUTIONS

**HAVE TIME TO CHARGE**

2.3kw - 22 KW AC CHARGER



**DON'T HAVE TIME TO CHARGE**

20-300 KW DC MODULAR CHARGER



# BI DIRECTIONAL EV CHARGER TECHNOLOGY



New  
R & D  
Project

# ENERGY STORAGE SYSTEMS

Why we need to storage energy ?

Energy  
Storage  
Systems(ESS)



# ESS SOLUTION LI-ION BATTERY

## ➤ Modular ESS Units

3.2V x 15ah = 1.92kWh



➤ 1.92 kWh Modules



➤ 2 x 1.92 = 3.84 kWh Modules



➤ 3 x 1.92 = 5.76 kWh Modules



# STRONG SIDES OF POWER ELEKTRONIK

1

Efficient Customer Service

3

ManPower Presence  
Project Design  
Site Installation  
Commissioning

2

Industrial & Innovative Solutions

# STRONG SIDES OF POWER ELEKTRONIK

4

Long Relationships

6

Engineering Approaching

5

Product = Solution  
Sale = Cooperation



# Some Of Global References



ANDRITZ



SIEMENS



ABB



Schneider  
Electric



HITACHI



aselsan

