



Charging solutions  
– Built to last.

Movable-Modular-Scalable

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Kempower Oy





# **Kempower – Charging solutions - Built to last.**

**Kempower Oy designs, manufactures and commercializes charging solutions for demanding conditions when the world turns electric.**

# Who we are – A part of the Kemppi Group

- Kempower Oy is focused on charging solutions for commercial and off-highway vehicles, buses, passenger cars and electric marine.
- Kempower Oy is a company owned by the Kemppi Group. We have nearly 70 years of experience in manufacturing robust power supplies for harsh environmental conditions.
- Our power sources are designed and manufactured in Finland.



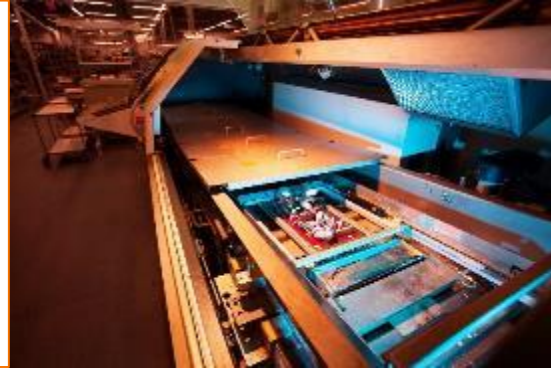


# The biggest electronic factory in Finland

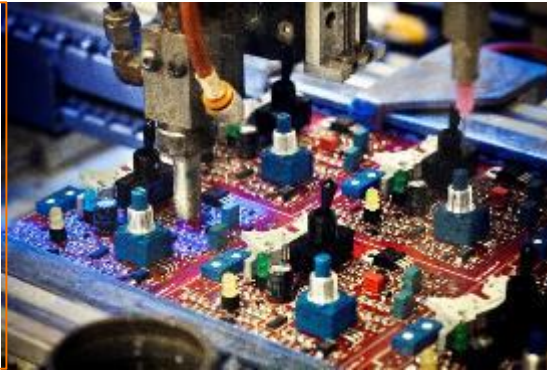
SMD -LINES



AUTOMATIC  
SOLDERING



ENVIRONMENTAL  
PROTECTION



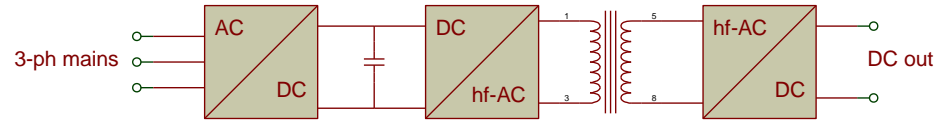
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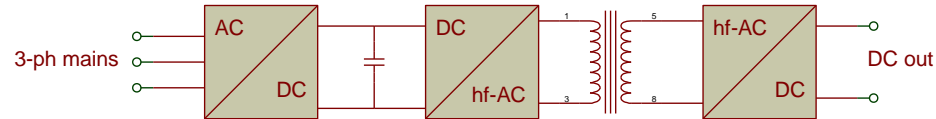
# What's the same on the welding machine and the EV charger?



Topology of welding power source:



Topology of EV DC charger:





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Off highway



Commercial vehicles



Private cars





Kempower T-Series

- The gamechanger in DC –fast charging

# The main components

- **40 kW power module**
  - The same model used in all products → Serial production
- **The chassis of the Trolley in which the power modules and options will be installed**
  - Charging plugs and connectors of different standards
  - Various user identifications systems
  - Customer taylored brand customization



**One power module–  
Many opportunities!**



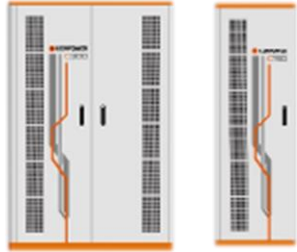


The Kempower product range  
- Charging solutions – Built to last.

# Our product offering



**T-Series  
(Trolley)**



**C-Series 50 – 300 kW  
(Cabinet)**



**C-Series Cabinet with UI/UI's  
(Charging Station)**

**S-Series  
(Satellite)**



**Floor/Ground**



**Wall**



**Two types of wallboxes:  
AC 22 kW and DC 40-150 kW**



# S- Satellite Series and C –Cabinet Series



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# The Kempower DC –chargers

One module –  
Many opportunities



1x



T (Trolley) Series 40kW

1-4x



C (Cabinet) Series 40-80-120-160 kW

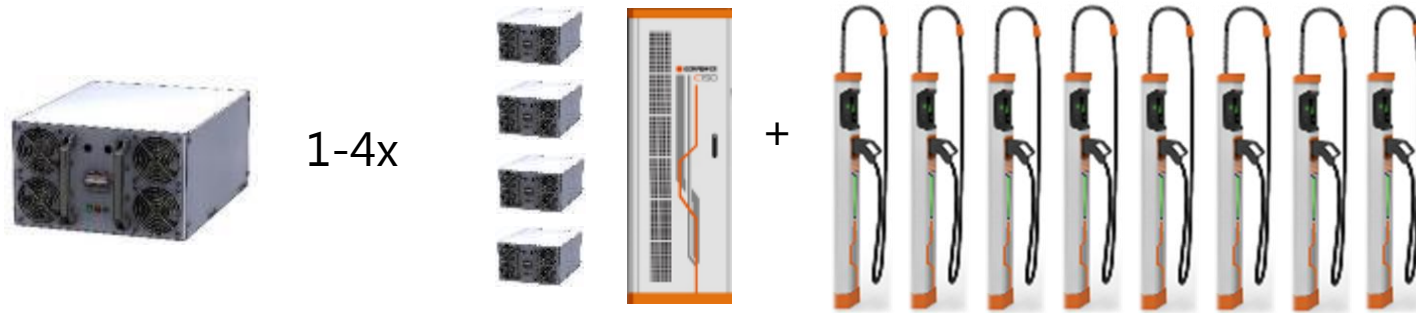
1-8x



C (Cabinet) Series  
40-80-120-160 up to 300 kW



# The Kempower DC –chargers, case station



## The Kempower modular and scalable offering. Example:

One 160 kW charging cabinet + 8 satellites with dynamic power supply. Power dynamically shared to 8 satellites.



# The Kempower DC –chargers

**One User Interface**

**One Cloud**

**One User Experience**

**When you know how to use one Kempower charger-  
You know how to use them all.**





# We have you and your chargers covered! - The new meaning of CCS

**Kempower Connected** –Technology. Always connected.

**Kempower Cloud** – Services including remote diagnostics and maintenance wireless software updates.

**Kempower Services** – Service and maintenance program.

We provide safe, durable and futureproof eMobility charging solutions.





**KEMPOWER**

**Charging solutions –**

**Built to last.**