

# BOOSTING eMOBILITY ANYWHERE

- Kinetic Energy Storage
- High Power Charger

# THE CHALLENGE / Ultra Fast EV Charging - Anywhere

Short EV charging times are achieved by using high power chargers (150 kW, 350 kW and more).

To date, fast and ultra-fast EV chargers can only be installed where enough grid power is available (i.e. near high voltage lines - transmission grid).

This leaves most roads without viable or cost-effective EV fast charging solutions, creating high entrance barriers for EV access in those areas. Upgrading infrastructure entails enormous costs, and lengthy periods of time, due to tedious bureaucratic approval and rejection processes.

## CHAKRATEC / EV Charging Applications

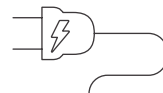
Chakratec provides optimal solutions for the EV charging ecosystem, circumventing the problem of insufficient power in the grid. This is done by applying the Kinetic Power Booster (KPB) based on our Kinetic Energy Storage system.

One stop shop design, plan, set-up and manage a service of fast charging networks - anywhere.



### BOOST

Kinetic Power Booster (KPB)  
Fast charging anywhere with  
a unique storage system



### BOOST & CHARGE

Kinetic Power Charger (KPC)  
Fast EV charger in a PLUG &  
CHARGE solution

## GRID SERVICES



PEAK SHAVING



POWER TRADING

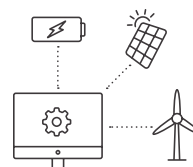


GRID STABILIZATION

## FEATURES



UPS



EMS



INDOOR / OUT DOOR

# CHAKRATEC

## Boosting eMobility Anywhere

PLUG & CHARGE / Fast charging station with Chakratec's Kinetic Power Booster



### BENEFITS OF CHAKRATEC'S FLYWHEEL ENERGY STORAGE TECHNOLOGY FOR EV CHARGING:



UNLIMITED CHARGE CYCLES

15

15 YEARS LIFE TIME



ECONOMIC



SUSTAINABLE

## TESTED & DEPLOYED

FAST EV CHARGING: AUSTRIA | GERMANY | ITALY | CZECHIA | USA

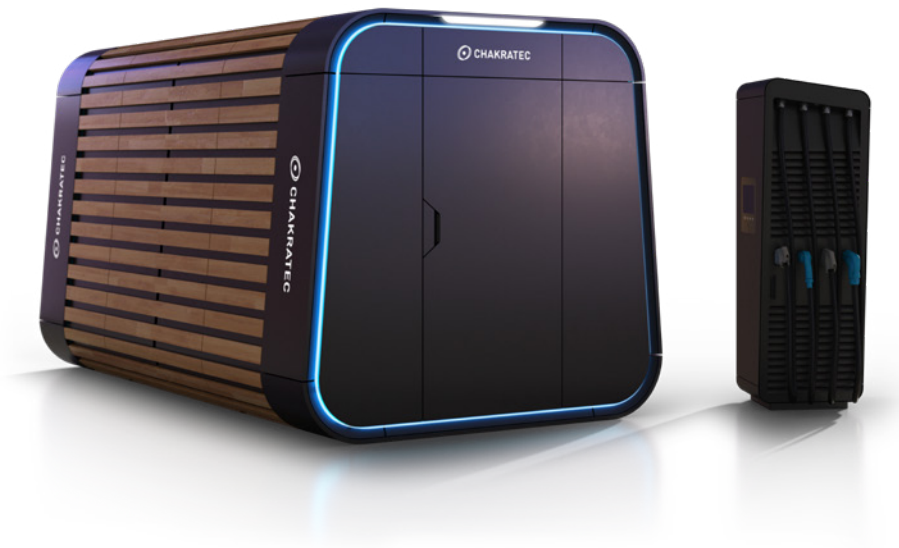
ON-GRID SOLAR INTEGRATION: CYPRUS

## PRODUCT DESCRIPTION

The KPB array is an energy storage system which can be fully integrated with one or multiple standard high-power chargers.

The KPB has the ability to use low power grid and boost it by up to 120 kWp for each module in order to enable fast charging of multiple EVs. The kinetic power booster is based on Chakratec's patented kinetic storage technology.

Following is a layout of 2 KPB modules boosting a 300 kW HPC.



+972 544 232 082  
marketing@chakratec.com  
www.chakratec.com

