

SupraCharger the UrbanCharger

Our eLoaded SupraCharger supports your urban infrastructure change. Its entire up to 4x 420kW charging power is integrated into an innovative urban furniture, providing an ecosystem with positive impact on urban needs. The system is supported by an highly adjustable user and operator software infrastructure on frontend and backend side.

SupraCharger 4x 420kW Product Specification

DC Input	
Input Range	500V to 1150V DC
Max. Input Current	4x 640A
DC Output	
Max. Output Power	4x 420kW
Output Voltage Range	50V to 950V DC
Liquid Cooling	
Input Liquid Temperature	-20°C to +50°C
Flow Rate	110 to 150l/min
Liquid	Water /Glycol (60%/40%)
Environment	
Storage Temperature	-40°C to +70°C
Communication	WIFI, Ethernet, OCPP
MTBF	> 500,000 hours
Safety	EU: IEC 61851-1, IEC 61851-23
EMC	EU: 2014/30/EU



eLoaded App / eLoaded Backend

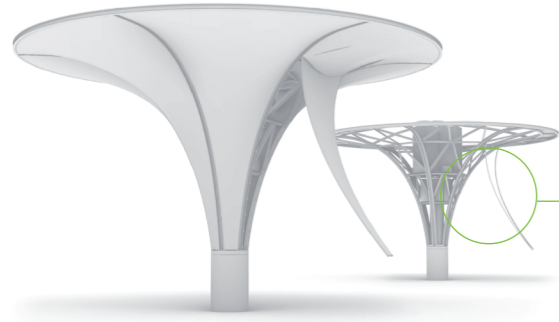
eLoaded offers by its own developer team the necessary flexibility in software solutions for operators and users given by rapid change in mobility.

Let us support and inspire you for the future needs in managing the digital and economical connection to your clients!



4x 420kW

Zero noise load
> 98 % efficiency
4 charging sockets
360° CCS/Chademo connection
1 m ² urban footprint
1,68 MW/m ²



Service

- :: Easy access and entry
- :: Plug&Charge technology
- :: Integrated fire prevention and security
- :: Integrated storm tank

Urban furniture

- :: Compact architecture and construction
- :: Optimum solution for urban and infrastructure constraints
- :: Sunscreen and rain shield
- :: Unsealing of paved infrastructure for drainage
- :: Most efficient usage of infrastructure space
- :: Smallest footprint of kW/m²
- :: Zero operating noise
- :: Integrated illumination
- :: Active green roof watering
- :: Integrated storm tank

Ecosystem

- :: All-season green roof
- :: Improved rain water usage
- :: Improved microclimate
- :: Improved atmospheric environment
- :: Reducing respirable dust
- :: Reducing heat radiation in urban areas
- :: Zero operating noise
- :: Active waste heat usage
- :: Environment-friendly illumination

Software

- :: Access and user control by Android/iOS application
- :: Customer support from backend

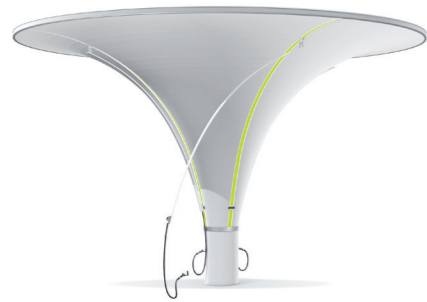


Charging technology

- :: 4x420kW constant power (1000V)
- :: Charging stand integrated technology
- :: Liquid cooled power electronics
- :: Active waste heat usage
- :: Efficiency > 96 % (electric)

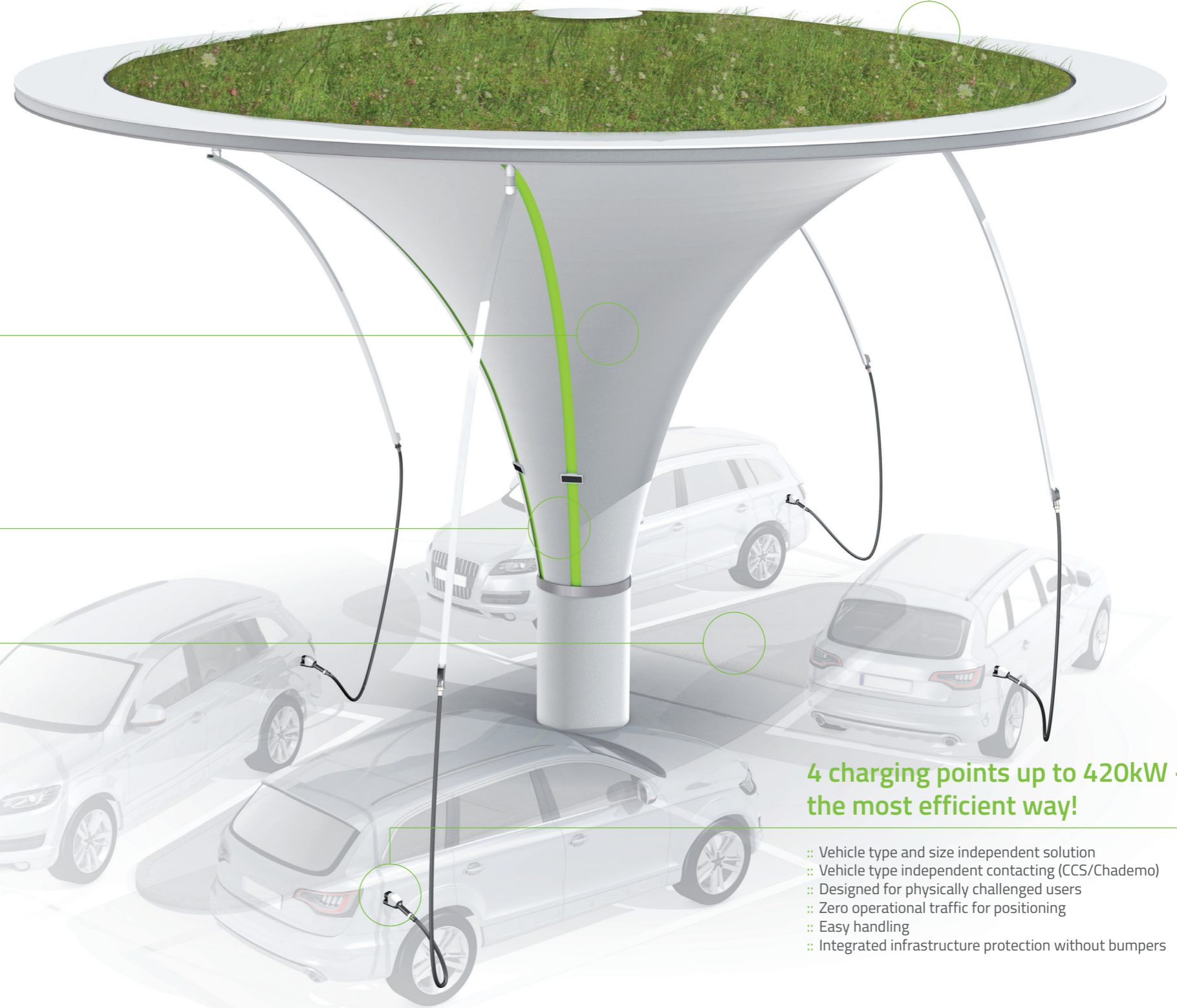
Illumination

- :: Integrated lighting for security
- :: Integrated lighting for communication
- :: Environment-friendly illumination
- :: Backend controlled lighting



Accessibility

- :: 360° charging gun connection
- :: Variable connection arm – no cables on ground
- :: Zero operational traffic for positioning
- :: Designed for physically challenged users



4 charging points up to 420kW - the most efficient way!

- :: Vehicle type and size independent solution
- :: Vehicle type independent contacting (CCS/Chademo)
- :: Designed for physically challenged users
- :: Zero operational traffic for positioning
- :: Easy handling
- :: Integrated infrastructure protection without bumpers