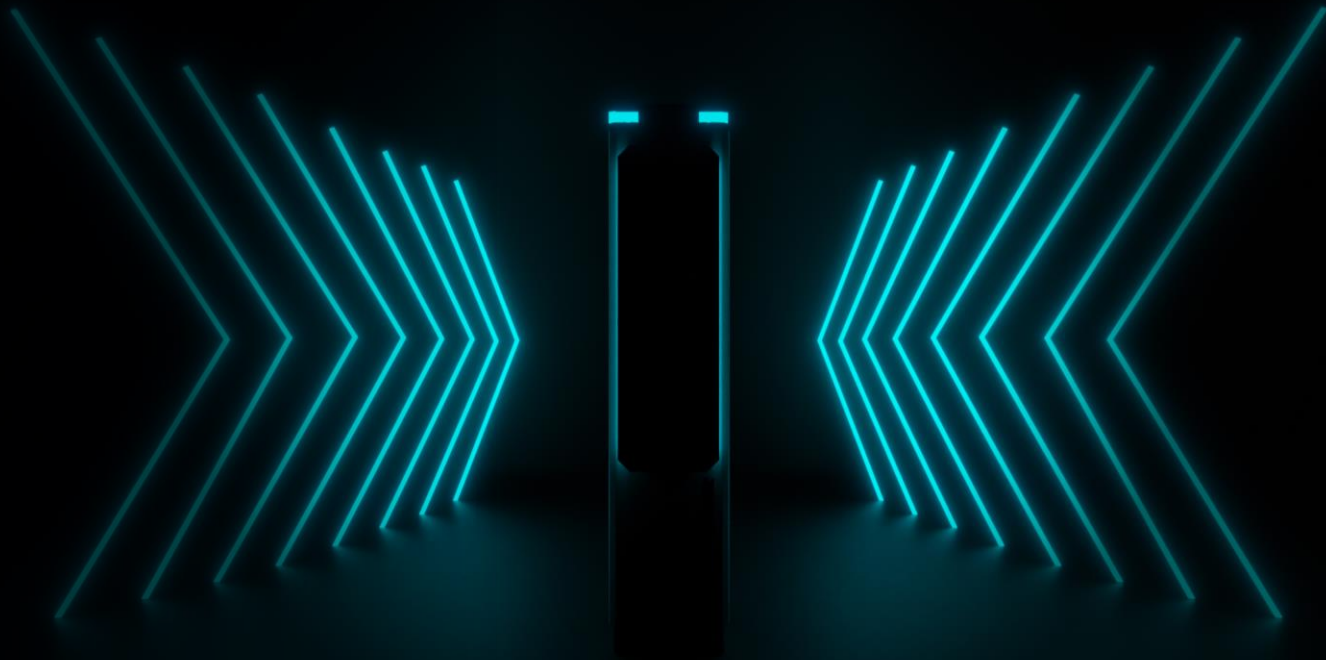


Shaping E-Truck Megawatt Charging: A Game-Changer

by Ekoenergetyka

THE WORLD
PRODUCT & TECHNOLOGICAL PREMIERE



WHO WE ARE



01

LONG STORY SHORT ABOUT **EKOENERGETYKA**

European leading producer of fast charging (DC) infrastructure of all kinds of EV's



02

THE ACE IN OUR HAND

50 mln EUR R&D center, e-mobility labs & Training Center



03

HIGH POWER IN **OUR DNA**

Product range from CCS to MCS and active support for electrification of freight transport

PROFFESIONALISM

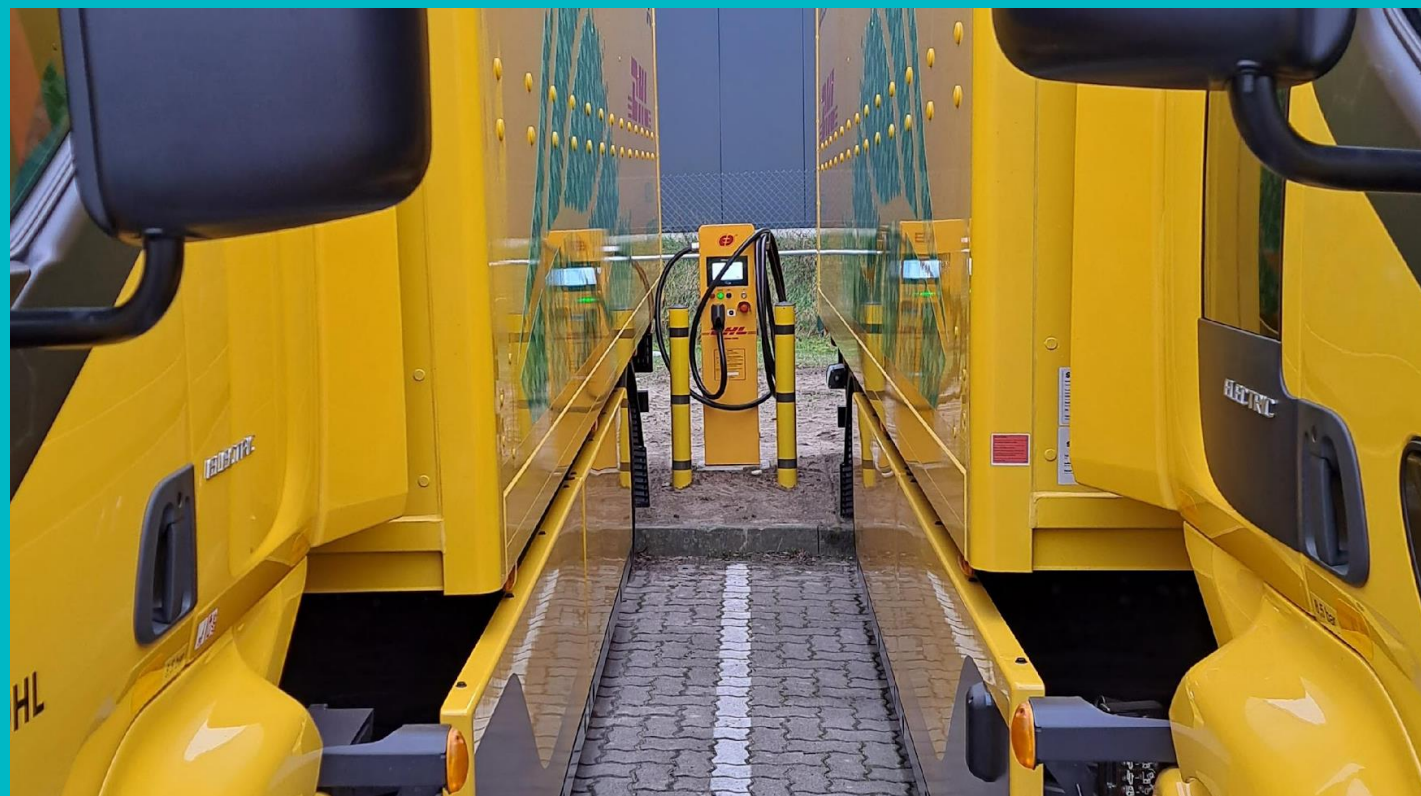


EXPERIENCE



Understanding E-Truck Needs Why We Lead the Charge









SCANIA POLSKA, EKOENERGETYKA AND EKOEN

have established Poland's first dedicated hub for heavy-duty vehicles. This innovative facility is equipped with four Ekoenergetyka Sat600 satellites, each capable of delivering 350 kW, with potential upgrades to 1 MW, demonstrating a landmark advancement in truck charging solutions.

SHAPING E-TRUCK MEGAWATT CHARGING

SAT 1500 MCS



Understanding E-Truck Needs Why We Lead the Charge





SAT 1500 MCS

MEGAWATT CHARGING

MCS uses liquid-cooled MCS and CCS HPC connectors, enabling support for currents up to 1,500 A



2 E-Trucks charging at the same time

Optimal performance across voltages from 600V to 1500V



Quick and efficient charging for all vehicle generations.
Full charge in just 35 minutes



SAT 1500 MCS

INTELLIGENT SPACE UTILIZATION

→ Satellite is designed for easy installation in tight spaces, enabling simultaneous charging of two trucks without collision, maximizing efficiency and space utilization.



Compact dimensions of the satellite



Easy installation in constrained areas



Ideal for passing over inter-lane islands

SAT 1500 MCS

INTELLIGENT SPACE UTILIZATION



Radius 2,5 m

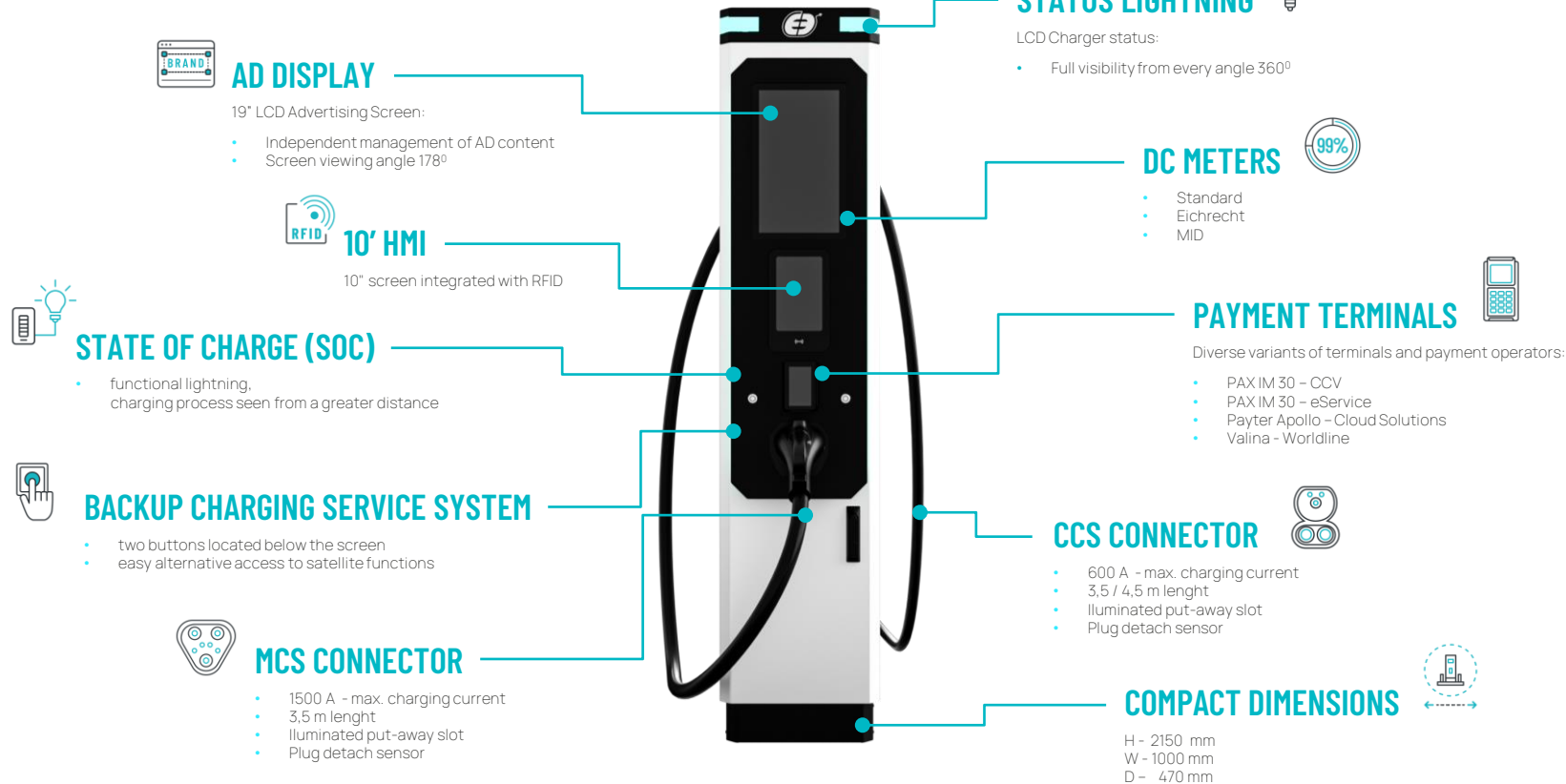


MCS
3,5 m cables length



CCS HPC
3,5 m / 4,5 M cables length





SAT 1500 MCS VIEW – BASIC SATELLITE VERSION – NO AD DISPLAY



SAT 1500 MCS VIEW – FULL SATELLITE VERSION – WITH AD DISPLAY





HUB SPECIFICS



Max. Power: 1440 KW

**Power Management: Dynamic Load
Balancing System**

Power Usage: up to 100%

Max. Charging Current: up to 1500 A

No of Outputs: 6

- Supporting charging standards: CCS2 and MCS
- Guaranteed minimum power for each EV
- Optimally distribute excess power between the vehicles
- Charging power based on the electric vehicle's power demands
- System operates in dynamic mode

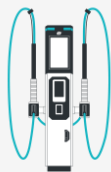
PRIMARY HUB CONFIGURATION

SAT 1500 MCS

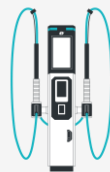
4 x Axon Side 360 DLBS



SAT 400



SAT 400



SAT 1500



Total Hub Power
1440 kW

CCS
400 kW

CCS
400 kW

CCS
400 kW

CCS
400 kW

CCS
400 kW

MCS
1440 kW

RANGE OF HUB CONFIGURATIONS

- **1440 kW**
4 x Axon Side 360 DLBS,
SAT 1500 MCS (1 x MCS)
- **1440 kW**
4 x Axon Side 360 DLBS
2 x SAT 400 (2 x CCS)
SAT 1500 MCS (MCS / CCS HPC)
- **720 kW**
2 x Axon Side 360 DLBS
6 x SAT 600 (1 x CCS)
- **720 kW**
2 x Axon Side 360 DLBS
2 x SAT 400 (2 x CCS)
2 x SAT 600 (1 x CCS)
- **360 kW**
1 x Axon Side 360 DLBS
3 x SAT 360 (2 x CCS)

MULTI RANGE POWER MODULE

SICedge

by EKOENERGETYKA





SICedge

MULTI RANGE POWER MODULE

SILICON CARBIDE (SiC) TECHNOLOGY



Voltage ranges

- 150-500V
- 300-1000V
- 450-1500V



97.5% Efficiency



Full Power All the Time
Active Power Factor Control
Liquid Cooled tech
Parallel Operation
No Electrolytic Capacitors



MCS Compliant

ekoenergetyka.com

THANK
YOU

EKOENERGETYKA - POLSKA

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