

THE POWER OF TOMORROW. TODAY.



SMART FLEET DC GRID CHARGING SYSTEM



POWER YOUR ELECTRIC FLEET WITH GLOBALLY PROVEN TECHNOLOGY

Turbo Power Systems is pivoting 45 plus years developing globally respected power systems for the transport and critical infrastructure industries to provide the world's most advanced and robust fleet EV charging technology.

TAKE CONTROL OF YOUR OWN DESTINY

Our SMART FLEET charging system enables you to have your very own DC microgrid on which to connect battery storage, embedded generation and our VELOX vehicle chargers, eliminating the inefficiencies and complexities of multi-point grid connections.

Exporting energy back to the grid is made possible using our POTENZA Distribution Grid Inverter. Alternatively, our POTENZA Distribution Transformer Rectifier eliminates the need for separate step-down transformers when seeking higher power charging schemes supplied by Medium Voltage.

MCS READY

**SMART
FLEET**

V2X COMPATIBLE

MAXIMIZE THE EFFICIENCY AND FLEXIBILITY OF YOUR ELECTRIFIED FLEET WITH OUR CUTTING-EDGE HIGH-POWER DC CHARGING INFRASTRUCTURE

POTENZA GRID CONNECTION POWERED BY TPS:

The beating heart of SMART FLEET...

Creates a gateway to the AC grid and forms a DC microgrid for efficient connection of VELOX DC Ultra-Rapid stand alone or satellite EV chargers, on-site storage for energy flexibility and embedded generation for capacity expansion. Also, gives you:

- Ability to connect directly to Medium or Low Voltage AC electricity distribution grid
- Ability to export Energy from EVs (V2G / V2X), Storage and/or Generation

EMBEDDED GENERATION:

SMART FLEET harnesses locally produced electricity from renewable or non-renewable generation to ease grid capacity constraints and complexities minimising fuelling costs.

BATTERY STORAGE:

SMART FLEET alleviates grid capacity constraints and simplifies complexities by connecting battery storage directly to the DC microgrid. Plus, it enables you to leverage on locally generated and available grid electricity through arbitrage.

VELOX CHARGERS POWERED BY TPS:

Flexible power in your hands...

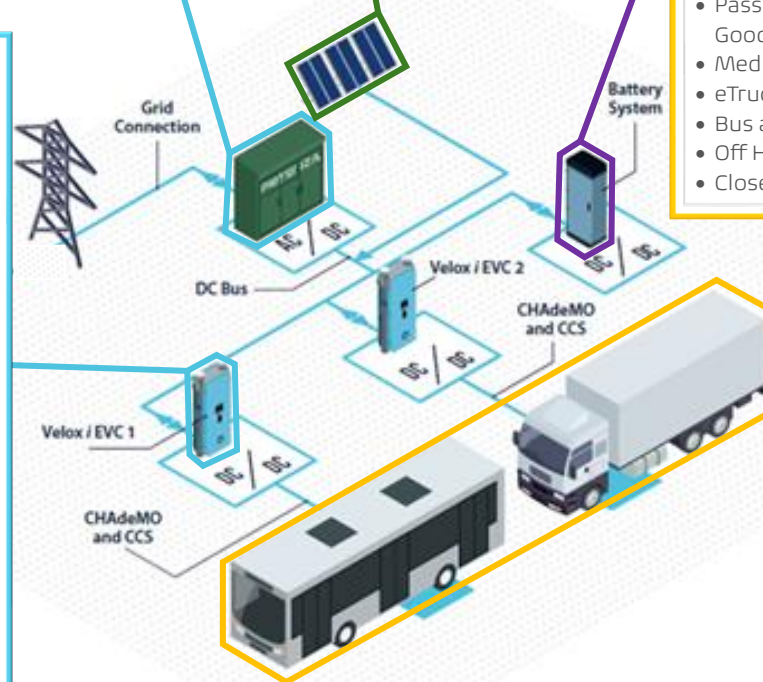
DC ultra-rapid chargers which also provide bi-directional capability with V2G / V2X for EV charge and discharge with highly scalable powers from 30 kW to 1.2 MW modules providing the flexibility needed to implement and expand multi-megawatt sites with ease.

Many options are available:

- Internal or external power electronics to optimise available forecourt space
- Dynamic dispenser matrix allocating power across satellite charging scheme
- Tailored charger solutions for CCS, NACS and CHAdeMO
- Upfit future MCS chargers to existing MCS ready POTENZA/VELOX hardware already operating CCS and NACS chargers.

ANY FLEET OR VEHICLE:

- Passenger & Light Goods
- Medium Goods
- eTrucks, eHGVs
- Bus and Transportation
- Off Highway
- Close shore Marine



TPS is a leading UK designer and manufacturer with over 45 years of expertise in delivering cutting-edge transportation and critical infrastructure industrial electrical energy systems.

We will be happy to discuss your project or enquiries further, please contact our sales department at sales@turbopowersystems.com or ring us on +44 (0) 191 482 9227



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