

2024

# TPS Services and Product Overview

Italy Modena Office  
Modena.it@tps-elektronik.com

Canada Calgary Office  
Calgary.ca@tps-elektronik.com

India Kerala Office  
Kerala.in@tps-elektronik.com



**TPS Germany**

- Sales
- R&D Engineering
- Warehouse



**TPS Shanghai China**

- Sales
- R&D Engineering
- Production



**TPS Shenzhen China**

- Procurement



**TPS Elektronik GmbH**

📍 Add: Senefelderstraße 8, 41066 Mönchengladbach Germany  
 📞 Tel: +49 2161 495260  
 ✉ E-mail: office@tps-elektronik.com  
 🌐 Internet: www.tps-elektronik.com

TPS Company Video on Youtube  
<https://youtu.be/DTcA-IU2NWA>



## EMS Services

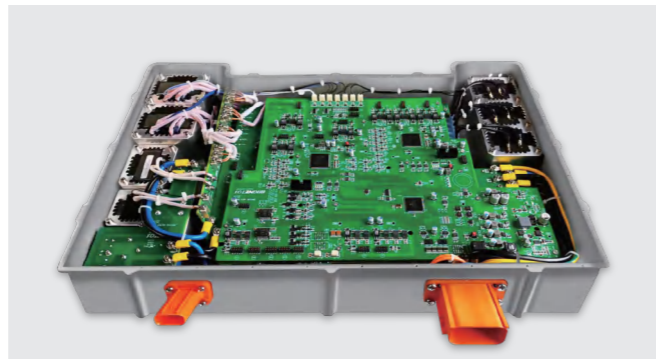
### Electronics Manufacturing Services (EMS)

- PCB: THT and SMT assembly
- Cooler and Water Cooler
- Sheet Metal, Chassis and Cabinets
- Cable assembly, Cabinet installation



### Embedded Software Development

- Embedded software design. Programming language C/C++, assembly language for some solutions.
- Experience with microcontrollers manufactured by Texas Instruments (C2000, Tiva/ARM, MSP430), Microchip, Espressif.
- PC software designed for Windows OS to control other devices or systems via LAN or different serial communications.



## Power Electronic Products

### Power Supplies

- Computing power supplies, desktop/plug-in power supplies
- Openframe and unlocked built-in power supplies
- Medical power supplies
- DIN RAIL power supplies
- Print modules
- Chargers



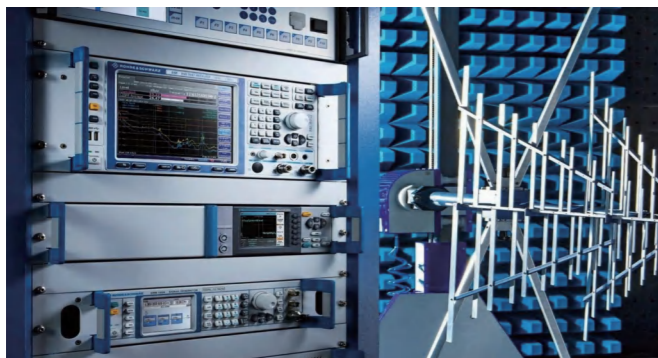
### Cell Test Systems

- High Accuracy: 0.03% F.S.R. voltage and current accuracy, 3-range current
- High Efficiency: 760V high-voltage DC bus, silicon carbide chip, achieve 81% charging efficiency
- Fast Response: 3ms current response time, 5ms current switching time
- System Integration: support control of temp. chamber and water cooler or other
- Full Test Function: support DCIR, simulate working conditions, pulse, matrix following and other complex tests, support variable assignment
- Current Range: 100A, 400A, 600A and up to 2400A in Parallel Operation



### Electromagnetic Compatibility (EMC) Testing and Certification

- Cost control: Detect problems in the early development phase through regular testing.
- Complete test reports of prototypes, according to the prescribed market regulations, certificates, and customer requirements.
- Quality assurance through regular production controls during mass production.



### Other Services

- Assistance in promoting European products into China, and Chinese products into Europe
- Assistance with Logistics, Storage, RMA Services, Technical Support, Purchasing



### Programmable Bidirectional Power Supplies

- AC Source and Bidirectional
- DC Source and Bidirectional
- Power Grid Simulator
- Battery Simulator
- Solar Panels Simulator



### Robotics und AGVs

- Robotics 0,5 - 20 kg
- AGVs



### Renewable Energy

- Energy Storage
- Energy Storage Integrated Systems
- Air Energy Heat Pump



### Chargers and UPS

- For Lead Acid Batteries
- For Lithium Batteries
- UPS Modular



### Measuring Equipments

- Current Sensor
- EMC Equipments



### ESD Workplace

- ESD Test Table, Packing Table charging efficiency
- ESD Trolley, ESD Regal
- Accessories for Electronic Manufacturing



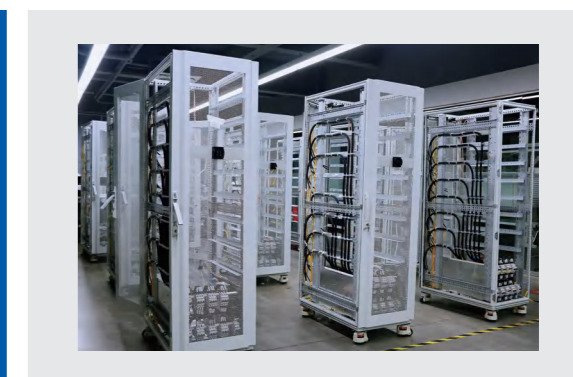
### Inrush Current Protectors, EMV Filters

- Inrush Current Limiter
- EMV Filter
- Isolated Transformers
- Lightning/ Surge Protection



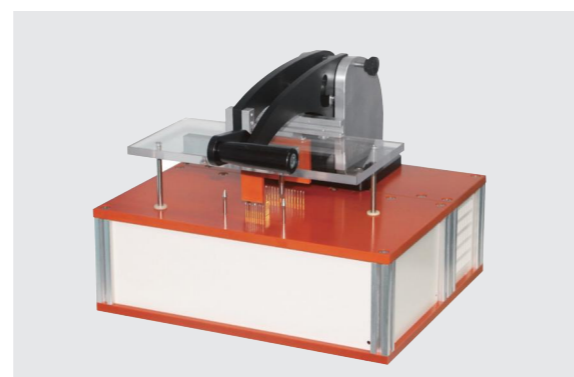
### Alu Cooler, Cabinet, Metal Parts

- Alu Cooler, Water Cooler
- 19 inch Cabinets
- Metal Parts



### Test Devices

- Safety Tester
- Temp.Chamber
- Needle Test Adapter
- Automat Test System



### Accessories

- Cable Approved CE,UL
- Thermal Paste
- Solder

