# TS0203 series

## Positive and Negative Capacitor Synchronous Charging High Voltage Power Supply System

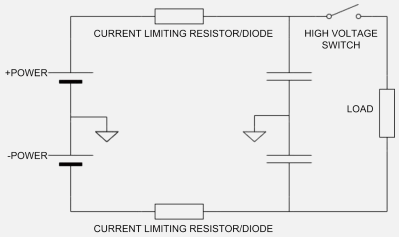
### Output 1kV-225kV 15kW，Dynamic Balance Error≤1%，Static Balance Error≤0.5%

The Teslaman positive and negative capacitor synchronous charging high-voltage power supply system consists of two independent high-voltage power supplies, which can work independently or simultaneously. When both power supplies charge the capacitor simultaneously, the dynamic balance error is less than 1%, and the static balance error is ≤0.5%. A smaller balance error can be customized. Other multi-capacitor charging systems are also customizable.

- Output Voltage 1kV-225kV
- Output Power 15kW
- Dynamic Balance Error≤1%
- Static Balance Error≤0.5%
- Nano-Second Protection Response
- OV, OC, Short-Circuit, Arc and OT Protection
- RS-485 Isolated Digital Communication, Digital Programmable
- Safety Inter Lock
- Other Multi-Capacitors Charging Available

## Typical applications:

High Voltage Capacitor Charging, Science Research.




## Specifications:

Dynamic balance error：≤1%

Static balance error：≤0.5%

Linearity error between power sources：≤1%

Automatic differential pressure compensation： After the capacitor discharge, when the differential voltage between the capacitors exceeds 1 kv (smaller value can be customized) , the power supply corresponding to the low-voltage capacitor will compensate for charging, and when the high-voltage capacitor voltage is reached, the other power supply will start charging, ensure voltage balance between the two capacitors。

## Specification for single unit power supply：

**Model**：selection based on single-unit power supply output voltage and power, such as：

1kV~100kV 150W~600W suggest to model TD2200;

1kV~150kV 1kW~2kW 可 suggest to model TD2202;

151kV~225kV 3kW~10kW suggest to model TLP2041;

Other parameters could be customized

**Input**： AC220V/AC380V

**Control Port**：Normally RS-485

**Model code** present the parameters of the power supply：

Single unit max voltage output, unit is kV;

Single unit max power, unit is W

Output polarity, P stand for positive, N stand for negative.

N stand for 4 digits customer code

| TS0203 | - | PN100 – 6000 | - | N |
|---|---|---|---|---|
| Model | | Maximum voltage / Maximum power | | Customer No |