



# High voltage power supply

# User manual

Model No. : TP3210

Version: V A/0

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## TP3210 Series High voltage suspension pulse power supply

High Floated Voltage Pulse Generator with Small Voltage and Adjustable Voltage, Pulse Width and Frequency of up to  $\pm 3kV$



- ◆ 220V AC input
- ◆ Pulse voltage amplitude  $\pm 3kV$
- ◆ Pulse voltage amplitude, pulse width and frequency can be adjusted
- ◆ Pulse rising edge time  $< 100ns$
- ◆ Pulse falling edge time  $< 100ns$

TP3210 Series Power Supply is a small, functional, stable high voltage suspension pulse power supply. Its main application is clinical medicine. This high voltage pulse power supply can not only provide the high voltage required by users, but also realize the adjustment of voltage amplitude, pulse width and frequency. At the same time, it takes into account the safety considerations. It adopts the isolated communication mode of optical fiber, which can well meet the needs of users.

#### Typical application:

Electrical ablation.

#### Specifications:

##### Input Voltage:

AC220V,  $\pm 10\%$ ;

##### Output pulse voltage:

Adjustable, max. 3kV;

##### Pulse width:

1 ~ 100 $\mu s$ ;

##### Pulse frequency:

80 ~ 90Hz;

##### Pulse rise time:

$< 100ns$ ;

##### Pulse fall time:

$< 100ns$ ;

##### Pulse control mode:

External TTL trigger, internal optocoupler isolation;  
Computer upper computer; Optical fiber communication;

#### Pulse voltage accuracy:

$< 2\%$ ;

#### Pulse adjustment:

Adjust the output voltage amplitude, pulse width and frequency through the computer upper computer;

#### Connectors:

Double-core high-voltage output connector:  
high-voltage pulse power supply outputs high voltage through double-core connector, and the total length of high-voltage cable is 1 meter;

Power input connector: standard power terminal;

Pulse trigger connector: BNC connects TTL trigger interface;

Optical communication connector: optical fiber jumper HFBR4532Z

#### Environmental:

Operational: 0 to + 50 °C,

Stored: -20 °C to + 80 °C.

#### Overall dimensions:

The width is 322mm, the height is 125mm and the depth is 430mm.

#### Weight:

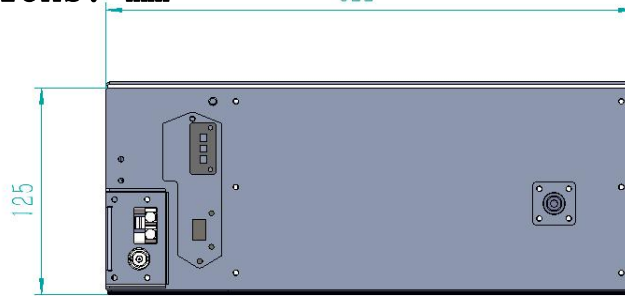
About 25kg.



# TP3210 Series High voltage suspension pulse power supply

High Voltage Floated Pulse Generator with Small Voltage and Adjustable  
Voltage, Pulse Width and Frequency of up to  $\pm 3\text{kV}$

Overall dimensions: mm



Main view



Top view



Side view

