

These are perfect for Pulse Impression with High Speed
to SEM, MASS, MCP Electrodes, etc.

NEW

High Voltage & High Speed Pulse Power Supplies

SK series



SK series

**Perfect for Pulse Impression with High Speed
To SEM or MASS and MCP Electrodes, etc.!**

300V to 2kV Models



5kV, 10kV Models



* For models 5kV and larger, the dedicated high voltage power supply is included as external power supply.

Features

- High speed response
- High power design applicable in low impedance
- High reliability and long life with all solid-state
- Ultra compact and light weight design
- Wide lineup of 300V to 10kV. Selectable best fitted model according to its usage

Outline

SK series are ultra-high speed and high power Pulse Power Supplies developed with our technology and know-how as a professional manufacturer of high voltage power supply. They are best-fitted power supplies for high speed impression of pulse in wide field such as deflection of electron beam and ion beam or measurement of radiated light, PMT and MCP.

Applications

Impression of pulse to TOF-MASS, MCP, electronic shutter, bio-chip, inspection of insulating material, electronic gun, various gate electrodes.

Lineup

* For models 5kV and larger, the dedicated high voltage power supply is included as external power supply.

Output Voltage	Positive Polar Output Model	Negative Polar Output Model
300V	SK-0.3P	SK-0.3N
400V	SK-0.4P	SK-0.4N
500V	SK-0.5P	SK-0.5N
1kV	SK-1P	SK-1N
2kV	SK-2P	SK-2N
5kV	SK-5P	SK-5N
10kV	SK-10P	SK-10N

Specifications

Input Voltage	115VAC±10% 50 / 60Hz
Output Pulse	
-Output Current	5A peak (1μ sec maximum), 20mA average
-Rise / Fall Time *1	300V to 2kV models : 15ns (10% to 90% of set voltage, time of 90% to 10%) *2 5kV model : 15ns (10% to 90% of set voltage, time of 90% to 10%) *3 10kV model : 25ns (10% to 90% of set voltage, time of 90% to 10%) *3
-Pulse Width	300V to 2kV models : 200ns minimum to ∞ (depend on input pulse) 5kV & 10kV models : 300ns minimum to ∞ (depend on input pulse)
-Delay Time	300V to 2kV models : 200ns maximum 5kV & 10kV models : 300ns maximum
Repetition Frequency	10kHz maximum (depend on input pulse)
Input Pulse	Proportion to pulse width by TTL (output at HIGH)
Setting Input Voltage	10-turn potentiometer (For 5kV model and larger, setting should be made from the dedicated external power supply.)
Display of Output Voltage	3.5 digits indicator ±1999 (For 5kV model and larger, indicated on the external power supply)
Output Terminals	300V to 2kV models : output shielded cable 1m length 5kV & 10kV models : [direct cabling] non-shield cable 0.5m length
Accessories	Instruction manual (1) AC input cable 2.5m length (1)

HV cable 2.5m length to be connected to the dedicated external power supply (1)
AC cable 2.5m length for the dedicated external power supply (1)
Instruction manual of the dedicated external power supply (1)

— Only for 5kV and 10kV models

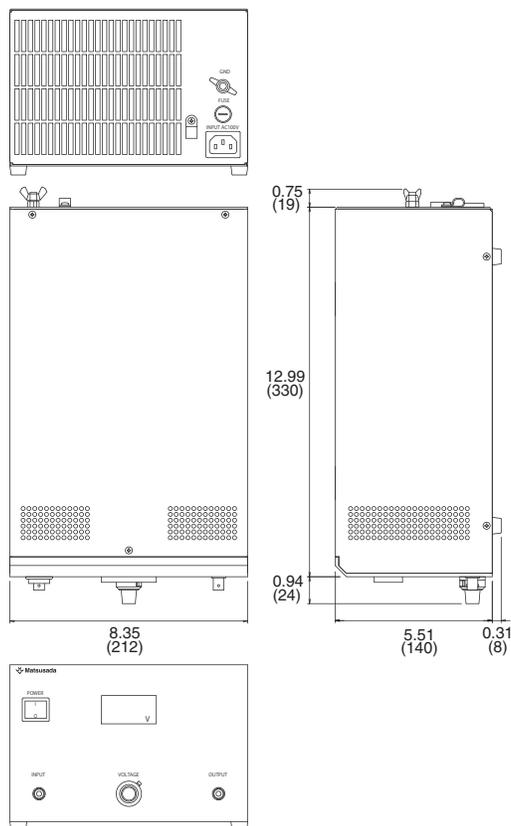
- *1 : At capacitive load, it may be calculated with $t = CV/5$
*2 : At no load, measurement on the output connector (without cable).
*3 : At no load, measurement on the direct output cable (0.5m length).

About the dedicated external power supply included
5kV and larger models

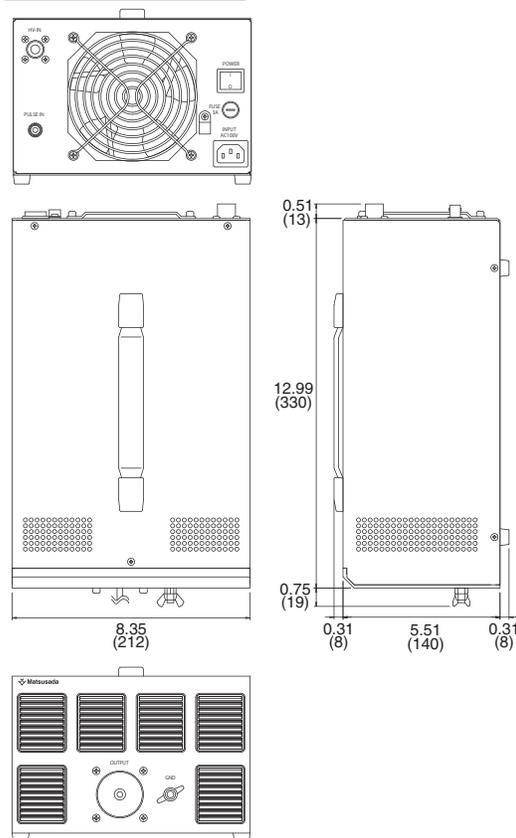
Please inquiry our sale staff for the detail specifications.

Dimensions inch (mm)

300V to 2kV Models



5kV, 10kV Models



Option

-L(220V) 200 to 240VAC
single phase input

When ordering, suffix the following option mark to the model number.
<e.g> SK-0.3P-L(220V)

