



SVC/TND

Single Phase High-precision Voltage Regulator



►► Overview

Its structure consists of a contact type self coupling voltage regulator, servo motor, automatic control circuit, etc. When the power grid voltage is unstable or the load changes, the automatic sampling control circuit sends a signal to drive the servo motor, adjust the position of the carbon brush of the self coupling voltage regulator, and adjust the output voltage to the rated value and reach a stable state.

This series of voltage regulators is a regular type with advantages such as a wide variety, complete specifications, and beautiful appearance. It has the characteristics of waveform distortion free, feasible performance, and long-term operation, and is equipped with overvoltage protection function. According to user needs, protection functions such as undervoltage and delay can be set. It can be widely used in any electric field and is an ideal regulated power source.

►► Main Technical Parameters

Input Voltage	160V-250V
Output Voltage	220V
Voltage stabilization accuracy	±3%
Frequency	50Hz/60Hz
Overvoltage protection	246V±4V
Adjusting the time	<1s(When the input voltage changes by 10%)
ambient temperature	-10°C-+40°C
Temperature rise	<60°C
Waveform distortion	No additional waveform distortion
Load power factor	0.8
Dielectric strength	1500V/1min
insulation resistance	>5MΩ



►► Dimensions and Weight

Model	(mm) Product Size	(kg) Weight	QTY
SVC/TND-0.5KVA	170×185×130	3.2	4
SVC/TND-1KVA	202×220×160	4	4
SVC/TND-1.5KVA	202×220×160	5	4
SVC/TND-2KVA	260×240×195	8	2
SVC/TND-3KVA	235×290×230	12	2
SVC/TND-5KVA	320×235×270	15	1
SVC/TND-10KVA	320×275×530	38	1
SVC/TND-15KVA	380×340×680	55	1
SVC/TND-20KVA	380×340×680	65	1
SVC/TND-30KVA	420×380×800	80	1
SVC/TND-40KVA	550×450×750	100	1
SVC/TND-50KVA	550×450×750	125	1
SVC/TND-60KVA	550×450×750	145	1