

POWER QUALITY START HERE

Digital Automatic Voltage Stabilizer / Line Conditioner

SRD-SERIES are the Automatic Voltage Stabilizer and Line Conditioner with digital control and display system.

The highest performance operation as functional menu, safety system and voltage stability will have been cross over limitation for protect and solve electrical problems. Therefore it should be the completely intelligent automatic voltage stabilizer.



SRD-SERIES
EXTREME STABILIZER

Features

- ✓ Control and display by extremely digital system to refined operation, to be accuracy and most speed up.
- ✓ Output voltage regulation control as $\pm 5\%$, $\pm 2.5\%$, $\pm 1.5\%$, $\pm 1\%$ or most accuracy $\pm 0.5\%$
- ✓ Voltage resolution display 0.1 Volt.
- ✓ Automatic tap change by static electronic system at zero-voltage-crossing.
- ✓ Series boost-buck transformer.
- ✓ Maximum response time most speed up than other type of voltage stabilizer.
- ✓ Advance protection before operation with display (Self-diagnosis function).
- ✓ Delayed supply output voltage to reduced inrush current that effect to load.
- ✓ Protect surge voltage after blackout and restore suddenly by reset system that can set Manual or Auto reset and user can set timer.
- ✓ Over and under voltage protection can set available voltage and timing.
- ✓ Built-in automatic shutdown when frequency error and voltage fluctuation which can set enable or disable system.
- ✓ Automatic shutdown display and finding report in memory later.
- ✓ Sound alarm system can set on/off status.
- ✓ Provide freedom to user can setting all function that available any applications with pressing button on front panel that do not remove the cover.
- ✓ EMI/RFI Line filters and Spike fuse to protect lightning surge voltage.

More feature and specifications that advance to the future, difference from other former products.

SIDITAL[®]
TRUE POWER

SILICON POWER SUPPLY CO.,LTD

MODEL			SRD-SERIES												
TECHNOLOGY															
VOLTAGE STABILIZATION SYSTEM			AUTOMATIC TAP CHANGE BY STATIC ELECTRONIC SYSTEM												
CONTROL SYSTEM			DIGITAL CONTROL AND DISPLAY SYSTEM												
RESPONSE TIME			MAXIMUM 10 ms (1/100 sec) AT ZERO VOLTAGE CROSSING												
TRANSFORMER			DOUBLE OPERATION			TAPPING TRANSFORMER AND SERIES BOOST-BUCK TRANSFORMER									
INPUT															
VOLTAGE AND REGULATION			220 VOLT +15% TO -20%			220 VOLT ±15%									
FREQUENCY			50 Hz												
WAVE FORM			SINE WAVE												
OUTPUT															
VOLTAGE AND REGULATION			220 VOLT ±5 %, ±2.5 %, ±1.5 %			220 VOLT ±1%									
VOLTAGE CENTER			SETTING 200~240 VOLT, RESOLUTION 0.1 VOLT												
DELAY TIME AFTER RESET			5 sec												
WAVE FORM			SINE WAVE (SYNCHRONIZE WITH INPUT WAVE FORM)												
LINE CONDITIONER															
TRANSIENT VOLTAGE AND SURGE SUPPRESSION			VARISTOR												
HIGH SURGE AND LIGHTNING PROTECTION			GAS ARRESTER												
RFI AND EMI FILTER			X2 CAPACITOR, Y2 CAPACITOR AND TOROIDAL COIL (TOROIDAL COIL EXCEPT MODEL SRD-717, SRD-818)												
PROTECTION SYSTEM															
SAFETY DIAGNOSIS AND RESET PROTECTION			HIGH INPUT VOLTAGE			253 VOLT (SETTING 230~300 V)									
			LOW INPUT VOLTAGE			176 VOLT OR 187 VOLT for Model of ±1% (SETTING 150~220 V)									
SPIKE AND SURGE PROTECTION			SHUTDOWN			SPIKE FUSE									
SURGE PROTECTION WHEN ELECTRICITY RESTORE SUDDENLY			AUTOMATIC SHUTDOWN			RESET SYSTEM									
OUTPUT VOLTAGE LIMIT			AUTOMATIC SHUTDOWN AND DISPLAY WITH ALARM			22 VOLT COMPARE WITH OUTPUT CENTER (SETTING 5~30 V)									
VOLTAGE FLUCTUATION						WHEN INPUT VOLTAGE WAS CONTINUED FLUCTUATION									
FREQUENCY ERROR						50 Hz ± 4% (48~52 Hz) SETTING ON/OFF									
OPERATION SYSTEM DIAGNOSIS						WHEN SYSTEM ERROR OR THE DEVICES LEAK OR FAULT									
DISPLAY															
DEVICE TYPE			LED 7 SEGMENTS 4 DIGITS												
DISPLAY FORMAT			2 ROWS CHARACTER AND NUMERIC (SETTING BRIGHTNESS)												
CONTROLABLE OR UNCONTROLABLE INPUT VOLTAGE			OPERATION VOLTAGE RANGE OR OVER-UNDER VOLTAGE												
VOLTAGE			OUTPUT VOLTAGE, INPUT VOLTAGE RESOLUTION 0.1 V												
CURRENT			OUTPUT ANALOG AMPMETER (EXCEPT MODEL SRD-212 , SRD-313)												
FREQUENCY			OUTPUT FREQUENCY												
SHUTDOWN REPORT			SHUTDOWN CAUSES AND RECORDING REPORT												
FUNCTION SETTING			OPERATING FUNCTION SYSTEM												
GENERAL															
OPERATION ON/OFF			MAIN POWER SWITCH OR CIRCUIT BREAKER AND RESET SWITCH												
RESET SYSTEM			MANUAL RESET AND AUTO RESET SYSTEM												
AUTO RESET TIMING RANGE			SETTING 1~999 sec												
ALARM SYSTEM			AUDIBLE ALARM (SETTING ON/OFF)												
FUNCTION SETTING			PUSH BUTTON ON FRONT PANEL			MENU SWITCH AND UP-DOWN SWITCH									
PHISICAL															
AMBIENT TEMPERATURE			0~50 °C												
RELATIVE HUMIDITY			0~95 %												
MODEL		SRD-212		SRD-313		SRD-515		SRD-616		SRD-717		SRD-818			
POWER RATING		1kVA, 2kVA		3kVA, 5kVA		7.5kVA, 10kVA		15kVA, 20kVA, 25kVA		30kVA, 40kVA		50kVA, 60kVA			
AC POWER CORD		WIRE PVC TYPE #14 AWG x 2.4m		VCT TYPE 4 Sq. mm. x 2.4m		-		-		-		-			
RECEPTACLE		TYPE 3P TOTAL 4 OUTLETS UNIVERSAL : 2 OUTLETS, NEMA 5-15R : 2 OUTLETS				TYPE 3P TOTAL 2 OUTLETS NEMA 5-15R		-		-					
INTERNAL AND EXTERNAL CONNECTIONS DEVICE		-		TERMINAL BLOCK											
OVERLOAD AND OUTPUT SHORT CIRCUIT PROTECTION		SHUTDOWN		FUSE		CIRCUIT BREAKER									
BYPASS SYSTEM (TRANSFER DIRECTLY TO MAIN LINE)		-		-		MAGNETIC CONTACTOR BY PUSH BUTTON SWITCH (INTERLOCK SYSTEM) EXCEPT 3 kVA									
DIMENSIONS (WIDTH x HEIGHT x DEEP)		mm		180x300x360		200x335x400		260x490x520		340x660x680		535x1140x610		535 x 1460 x 610	

*Specifications are subject to change without prior notice. This item can change by customer's requirement.

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