

RST/SPV Series

150W ~ 10000W Variable Output



5000W & 10000W Three Phase Operation

- 3 ϕ 3-wire/ Δ 196~305VAC or 3 ϕ 4-wire/ Y 340~530VAC or 1 ϕ 2-wire/ 196~305VAC*
- Built-in active PFC function
- High efficiency up to 90.5%
- Protection: Short circuit / Overload / Over voltage / Over temperature / Fan alarm
- Built-in fan speed control
- **Vo can be varied 20~120% by 1~6VDC ext. control signal**
- **Constant current limit can be varied 20~100% by 1~5VDC external control signal**
- **Current sharing up to 20,000 Watts!**
- Built-in remote sense and ON/OFF control
- Built-in 12V/0.1A aux. power
- Alarm signal output
- **5 year warranty**



RST-5000
460x211x83.5 mm

RST-10000
540x424x83.5mm

AC input voltage range.....3 ϕ 3-wire/ Δ 196~305VAC or 3 ϕ 4-wire/ Y 340~530VAC or 1 ϕ 2-wire/ 196~305VAC (limited specs)

DC adjustment range-2% ~ +20% rated output voltage

AC inrush currentCold start, 50A (RST-5000); 100A (RST-10000) at 400VAC/Y, 75A; 150A resp. for 230VAC/ Δ .

Overload protection100~112% constant current limiting, auto-recovery (also selectable delay shut down)

Over voltage protection125~140% shut down o/p voltage, re-power on to recover

Setup, rise, hold up time.....2200ms, 80ms, 14ms at full load

Withstand voltage.....I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC

Working temperature-30°C ~ +70°C (refer to output derating curve)

Safety standardsUL62368-1, TUV EN62368-1, EAC TP TC 004

EMC standards.....EN55032 class A, EN61000-3-2,3, EN61204-3 EN61000-4-2,3,4,5,6,8,11, EN61000-6-2

Weight.....10kg (RST-5000) / 23.5kg (RST-10000)

Size (LxWxH).....460x211x83.5mm / 540x424x83.5mm

RST-5000 Series

(Parallel) 5000W

Model No.	Output	Tol.	R & N*	Eff.
RST-5000-24	24V, 0~200A	±1%	150mV	88.5%
RST-5000-36	36V, 0~138A	±1%	200mV	89.5%
RST-5000-48	48V, 0~105A	±1%	200mV	90.5%

*Ripple & Noise plus other characteristics may be affected by single phase, 2-wire operation. RST-10000 single phase operation possible but limited.

RST- 10000 Series

(Parallel) 10000W

Model No.	Output	Tol.	R & N	Eff.
RST-10000-24	24V, 0~400A	±1%	150mV	88.5%
RST-10000-36	36V, 0~276A	±1%	200mV	89.5%
RST-10000-48	48V, 0~210A	±1%	200mV	90.5%

150W ~ 300W Variable Output Power Supply

- Universal AC input / Full range
- Built-in active PFC function
- Protection: Short circuit / Overload / Over voltage / Over temp
- **Vo can be varied 20~110% by 1~5.5VDC ext. control signal**
- Forced air cooling by built-in DC fan (SPV-300 only)
- **3 year warranty**



SPV-300
215x115x50mm

SPV-150
215x115x50mm

AC input voltage range88~264VAC; 124~370VDC

DC adjustment range.....-15% ~ +10% by potentiometer or 20%~110% of rated output voltage by external control signal

AC inrush current.....Cold start, 45A at 230VAC

Overload protection105~150% (SPV-150); 105~135% (SPV-300) constant current limiting, auto-recovery

Over voltage protection115~140% shut down o/p voltage, re-power on to recover

Withstand voltage.....I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC

Working temperature-20°C ~ +65°C (refer to output derating curve)

Safety standards.....UL62368-1, TUV EN62368-1, EAC TP TC 004

EMC standards.....EN55032 class B, EN61000-3-2,3, EAC TP TC 020 EN61000-4-2,3,4,5,6,8,11

Weight, Size (LxWxH)1.1kg, 215x115x50mm

SPV-150 Series

150W

Model No.	Output	Tol.	R & N	Eff.
SPV-150-12	12V, 0~12.5A	±1%	150mV	82%
SPV-150-24	24V, 0~6.25A	±1%	150mV	83%
SPV-150-48	48V, 0~3.125A	±1%	240mV	83%

SPV-300 Series

300W

Model No.	Output	Tol.	R & N	Eff.
SPV-300-12	12V, 0~25A	±1%	150mV	83.5%
SPV-300-24	24V, 0~12.5A	±1%	150mV	85.0%
SPV-300-48	48V, 0~6.25A	±1%	240mV	86.5%

Output Voltage Programmable for SPV series

