

FEATURES

- Remote Sense
- Power Failure Signal
- Remote ON/OFF Control
- 0.98 Typical Power Factor
- Programmable Output Voltage
- Forced Current Sharing at Parallel Operation
- Input Voltage: 90~260VAC (90 ~ 170VAC Reduced Power)
- Short Circuit/ Over Load/ Over Voltage/ Over Temperature Protection



	re based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.				
	We reserve the right to change specifications based on technological advances.				
INPUT SPECIFICATIONS					
Input Voltage Range	90 ~ 260VAC **(90 ~ 170 VAC reduced power - see "Output Power vs Input Voltage" derating curve)**				
Input Frequency	47 to 63Hz				
Input Current	9.0A at 230VAC (Typical)				
Inrush Current	Cold Start < 60A (Typical)				
Leakage Current	< 7.0mA at 240VAC				
Remote ON/OFF Control	Compatible with a TTL signal to turn ON/OFF				
OUTPUT SPECIFICATIONS					
Output Voltage	See Table				
Output Power Range	1500 Watts max.				
Output Voltage Adjustability	Maximum - minimum > 15% Adjustment (Typical adjustment by potentiometer) 25% ~ 100% Adjustment by 1 ~ 5VDC external control.				
Line Regulation	Less than 1%				
Load Regulation	Less than 1%				
Output Current	See Table				
Ripple & Noise (peak to peak)	Less than 1% or 150mV				
Setup, Rise, Hold-Up Time	500ms, 50ms, 12ms				
Temperature Coefficient	±0.04% / °C (0 ~ 50°C)				
Remote Sense	Yes				
PROTECTION					
Over Voltage Protection	110% ~ 135% (variable "OVP" follows the adjustable DC output voltage)				
Over Load Protection	Current limiting 3 times (1.5", 3.0", 5.0") then intelligent auto recovery before shutdown.				
GENERAL SPECIFICATIONS					
Efficiency	See Table				
Power Factor	0.98 (Typical)				
Power Failure Signal	Open Collector of NPN Transistor				
Parallel Operation	Yes				
ENVIRONMENTAL SPECIFICATIONS	S				
Working Temperature	0°C to +50°C @ 100% Load, +65°C @ 50% Load.				
Storage Temperature	-20°C to +85°C				
Working Humidity	20% to 90% RH				
Storage Humidity	10% to 95% RH				
Vibration	10 ~ 200Hz, 2g 10 min./1cycle, Period of 60 min. for each axis.				
Cooling	Power rating and temperature controlled fan.				
PHYSICAL SPECIFICATIONS					
Weight	4.5kg				
Dimensions	290(L) x 120(W) x 132.5(H) mm				
SAFETY & EMC					
Safety Standards	UL1950, TUV EN60950				



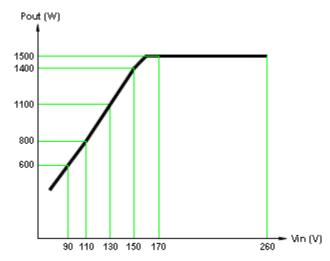
OUTPUT VOLTAGE / CURRENT RATING CHART

Model Number	Output Voltage	Output Current	Maximum Output Power	Ripple & Noise	Efficiency
PS1K5S-P009	9 VDC	166.6A	1500W	150mV	83%
PS1K5S-P012	12 VDC	125A	1500W	150mV	84%
PS1K5S-P015	15 VDC	100A	1500W	150mV	85%
PS1K5S-P018	18 VDC	83.3A	1500W	150mV	85%
PS1K5S-P024	24 VDC	62.5A	1500W	150mV	88%
PS1K5S-P036	36 VDC	41.6A	1500W	150mV	88%
PS1K5S-P048	48 VDC	31.25A	1500W	150mV	89%
PS1K5S-P060	60 VDC	25A	1500W	150mV	90%

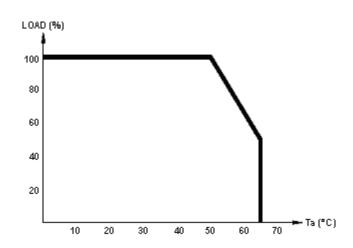
NOTES

- 1. Input voltage is 90 ~ 260VAC however, the unit does not reach full power until >170VAC. See derating curve below.
- 2. Dimensions of the mechanical drawing are shown in millimeters and inches.
- 3. Weight of the unit is 4500 grams.

DERATING CURVES



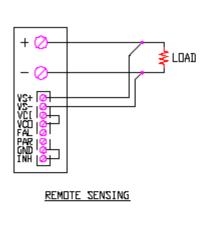
Output Power vs Input Voltage Derating Curve

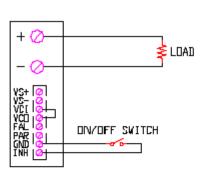


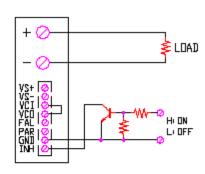
Output Power vs Ambient Temperature Derating Curve



CONNECTOR PIN-OUT DRAWINGS

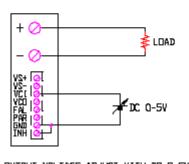


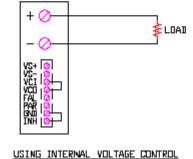


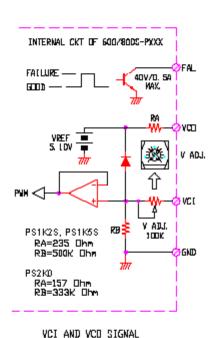


DN/OFF CONTROL BY SWITCH

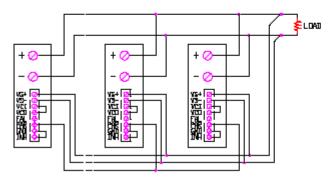
ON/OFF CONTROL BY TRANSISTOR







DUTPUT VOLTAGE ADJUST WITH DC D-5V



PARALLEL OPERATION VITH REMOTE SENSING

PARALLEL OPERATION WITHOUT REPOTE SENSING



MECHANICAL DRAWING

