

**Features :**

- . AC input range selected by switch
- . Short circuit, over voltage, over load, over temp. protected
- . High reliability, low ripple noise
- . Built-in remote sense / on-off control
- . Adjust from 10~100% output voltage by external control 1~5V
- . Forced air cooling by built-in DC fan
- . Approvals : UL, CUL, CB
- . 100% full load burn-in test

**1 year warranty**

Model	SE600-5	SE600-12	SE600-15	SE600-24	SE600-27	SE600-48
DC output voltage	5V	12V	15V	24V	27V	48V
Output voltage tolerance	±2%	±1%	±1%	±1%	±1%	±1%
Output rated current	100A	50A	40A	25A	22.2A	12A
Output current range	0~100A	0~50A	0~40A	0~25A	0~22.2A	0~12A
Ripple & noise	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p
Line regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation	±2%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
DC output power	500 W	600 W	600 W	600 W	600 W	600 W
Efficiency	77%	82%	83%	86%	86%	87%
DC voltage adjustment	4.75~5.5V	10~13.2V	13.5~16.5V	20~26.4V	24~30V	41~
Input voltage range	90~132 VAC / 180~264 VAC selected by switch 47~63Hz					
AC current	12 A / 115 VAC 7.5 A / 230 VAC					
Inrush current	30A/115V 50A/230V					
Leakage current	<3.5mA/240VAC					
Over-load protection	105~125% Type : Current limiting-Delay shutdown Reset : re-power ON					
Over-voltage protection	5.75~6.3	13.8~16.2	18~21	27.6~32.4	31~36.5	57.6~67.2
Over-temperature protection	TSW1>=85°C output shutdown					
Temperature coefficient	±0.05% /°C (0°~50°C)					
Set-up, Rise, Hold-up time	1s, 50ms, 16ms at 230VAC ; 1s, 50ms, 14ms at 115VAC					
Vibration	10~200Hz, 2G 10min./1cycle, period for 60min. Each axes					
Withstand voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC					
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG 500VDC>100MΩ					
Working temp. & humidity	-10°C~+60°C (refer to derating curve) 20~90% R.H.					
Storage temp. & humidity	-20°C~+85°C, 10%~95% R.H. ( non-condensing )					
Dimensions	247 x 127 x 63.5 mm ( Length x Width x Height )					
Weight	2 Kg					
Safety standards	Meet UL60950, TUV EN60950					
EMC standards	Meet CISPR22 (EN					
Special functions	DC voltage adjustment, Remote sensing, Remote control, Parallel operation (refer to terminal in)Class B, EN61000-4-2,3,4,5,6,8,11 ; ENV50204, EN61000-3					

**Notes:**

- All parameters are specified at 230VAC input, rated load, 25°C & 70% R.H. ambient.
- Tolerance include setup tolerance, line regulation, load regulation.
- Ripple & Noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1yF & 47uF capacitor.
- Line regulation is measured from low line to high line at rated load.
- Load regulation is measured from 0% to 100% rated load
- Refer to output derating curve vs input voltage



**SE-600 SERIES**

**BLOCK DIAGRAM**

**OUTPUT DERATING**

**STATIC CHARACTERISTICS**

**DIMENSION (mm)**

☒ CASE : 926

☒ I/P TERMINAL PIN NO. ASSIGNMENT

- ☒ PIN 1,2 : AC INPUT
- ☒ PIN 3 : FG

☒ O/P TERMINAL PIN NO. ASSIGNMENT

- ☒ PIN 1,2,3 : DC OUTPUT +V
- ☒ PIN 4,5,6 : DC OUTPUT -V
- ☒ CN4
- ☒ PIN 1 : +S
- ☒ PIN 2 : -S