



## Features:

- AC input 180~260VAC only
- PF> 0.98@ 230VAC
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built in remote sense function
- Built-in remote ON-OFF control
- Built-in power good signal output
- Built-in parallel operation function(N+1)
- Can adjust from 20~100% output voltage by external control 1-5V
- Forced air cooling by built-in DC fan
- 3 years warranty

## **SPECIFICATION**

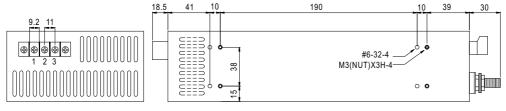


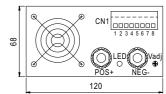
ORDER NO.		SCP-600-05	SCP-600-09	SCP-600-12	SCP-600-15	SCP-600-18	SCP-600-24	SCP-600-36	SCP-600-48	SCP-600-60	
ОИТРИТ	SAFETY MODEL NO.	600S-P005	600S-P009	600S-P012	600S-P015	600S-P018	600S-P024	600S-P036	600S-P048	600S-P060	
	DC VOLTAGE	5V	9V	12V	15V	18V	24V	36V	48V	60V	
	RATED CURRENT	100A	66A	50A	40A	33.3A	25A	16.6A	12A	10A	
	CURRENT RANGE	0 ~ 100A	0 ~ 66A	0 ~ 50A	0 ~ 40A	0 ~ 33.3A	0 ~ 25A	0 ~ 16.6A	0 ~ 12A	0 ~ 10A	
	RATED POWER	500W	594W	600W	600W	599W	600W	597W	576W	600W	
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	360mVp-p	480mVp-p	500mVp-p	
	VOLTAGE ADJ. RANGE	±3.0% Typical adjustment by potentiometer 20%~100% adjustment by 1~5VDC external control									
	VOLTAGE TOLERANCE Note.3	±1.5%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	LOAD REGULATION	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE, HOLD UP TIME	500ms, 250ms, 16ms at full load									
INPUT	VOLTAGE RANGE	180 ~ 260VAC 260 ~ 370VDC see the derating curve									
	FREQUENCY RANGE	47 ~ 63Hz									
	POWER FACTOR	>0.98 / 230VAC									
	EFFICIENCY (Typ.)	80%	82%	84%	85%	86%	89%	89%	90%	90%	
	AC CURRENT	5.0A / 230VA		0.70	0070	0070	0070	0070	10070	10070	
	INRUSH CURRENT (max.)	60A / 230VAC									
	LEAKAGE CURRENT (max.)	3.5mA / 240VAC									
	ELANGE CONNENT (Max.)	105 ~ 115% rated output power									
	OVERLOAD Note. 4	Protection type: Current limiting, delay shut down o/p voltage, re-power on to recover									
		110 ~ 135% Follow to output set up point									
PROTECTION	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover									
		Protection type: Shut down o/p voltage, re-power on to recover  >100°C / measure by heat sink, near transformer									
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down									
ENVIRONMENT	WORKING TEMP	-20 ~ +65°C (Refer to output load derating curve)									
	WORKING TEMP. WORKING HUMIDITY										
	STORAGE TEMP., HUMIDITY	20 ~ 90% RH non-condensing									
ENVIRONMENT	TEMP. COEFFICIENT	-20 ~ +85°C 10 ~ 95% RH									
	VIBRATION	±0.04% / °C (0 ~ 50°C)									
		10 ~ 200Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes									
	SAFETY STANDARDS WITHSTAND VOLTAGE	UL60950, TUV EN60950-1 approved									
SAFETY &		I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC									
EMC	ISOLATION RESISTANCE	/P-O/P,  /P-FG, OP/FG:100M Ohms / 500VDC / 25°C / 70% RH									
(Note. 5)	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) class A									
	HARMONIC CURRENT	Compliance to EN61000-3-2,3									
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A									
	POWER GOOD SIGNAL	Open collector of NPN transistor									
	SPECIAL FUNCTION	DC Voltage Adj., remote sensing, remote control, parallel operation(refer to control terminal instruction manual)									
	COOLING	By fan, >20% load or >50°C fan on									
	MTBF	74.9K hrs min. MIL-HDBK-217F(25°C)									
	DIMENSION	290*120*68m									
	PACKING		22kg / CARTO			1050					
NOTE	Ripple & noise are measure     Tolerance : includes set up     Current limiting 3 times(1.5)	pecially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  pasured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  pet up tolerance, line regulation and load regulation.  s(1.5s,3.0s,5.0s)Then intelligent auto recovery before shut down  considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets									

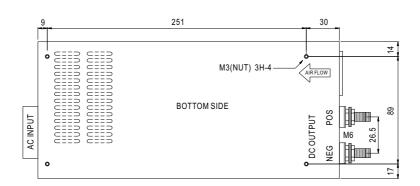


## ■ Mechanical Specification

Unit:mm







Terminal Pin No. Assignment

Pin No.	Assignment			
1	AC/L			
2	AC/N			
3	FG ±			

Control terminal Pin No. Assignment (CN1): Dinkle 51HDBC-08P or equivalent

Pin No.	Assignment	Pin No.	Assignment	Mating With	
1	1 VS+		PG		
2	VS-	6	PAR	Dinkle 51SDB-08P	
3	3 VCI		GND	or equivalent	
4	VCO	8	INH		

## **■** Derating Curve

