



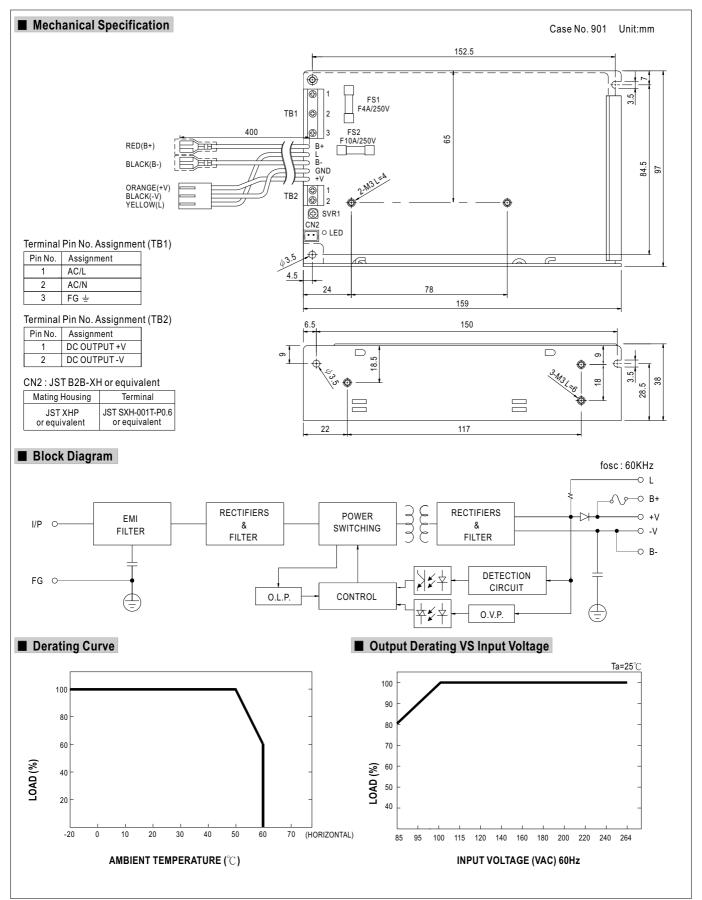
Features:

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage / Battery polarity protections (by fuse)
- Cooling by free air convection
- LED indicator for power on
- No load power consumption <0.75W
- 100% full load burn-in test
- 2 years warranty

₹1 us CB(€

MODEL	<u> </u>	SCP-75-12	SCP-75-24	
ОИТРИТ	DC VOLTAGE	13.8V	27.6V	
	RATED CURRENT	5.4A	2.7A	
	CURRENT RANGE	0 ~ 5.4A	0 ~ 2.7A	
	PEAK 5S Note.6		3.2A	
	RATED POWER	74.5W	74.5W	
	RIPPLE & NOISE (max.) Note.2		200mVp-p	
	VOLTAGE ADJ. RANGE	+15,-5%	+15,-5%	
	VOLTAGE TOLERANCE Note.3		±1.0%	
		±1.0%	±1.0%	
	LOAD REGULATION Note.5		±1.0%	
	SETUP, RISE TIME	500ms, 30ms/230VAC 1200ms, 30ms/115VAC at full load		
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load		
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	81%	85%	
	AC CURRENT (Typ.)	1.5A/115VAC 0.9A/230VAC		
	INRUSH CURRENT (Typ.)	COLD START 45A		
	LEAKAGE CURRENT	<2mA / 240VAC		
FUNCTION	TEMP. COMPENSATION	By NTC (not provide with the power supply)		
	OUTPUT VOLTAGE SENSOR	L=output voltage *0.7 V		
	OUT OF TOLINGE GENOOR	6.5 ~ 8.7A rated output power 3.2 ~ 4.3A rated output power		
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed		
PROTECTION		16.6 ~ 19.3V	33.1 ~ 38.6V	
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover	00.1 00.01	
ENVIRONMENT SAFETY &	WORKING TEMP.	-20 ~ +60°C (Refer to output load derating curve)		
		20 ~ 90% RH non-condensing		
	WORKING HUMIDITY STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%°C (0~45°C)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
	SAFETY STANDARDS	UL60950-1, CB(IEC60950-1), CCC GB4943 approved		
	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:100M Ohms / 500VDC / 25°C / 70% RH		
EMC	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B		
(Note 6)	HARMONIC CURRENT	Compliance to EN61000-3-2,-3		
	EMS IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1, light industry level, criteria A		
OTHERS	MTBF	461.2K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	159*97*38mm (L*W*H)		
	PACKING	0.5Kg; 30pcs/16Kg/1CUFT		
NOTE	All parameters NOT specia Ripple & noise are measure Tolerance: includes set up Line regulation is measure Load regulation is measure 33% Duty cycle maximum	lly mentioned are measured at 230VAC input, rated load and 2 at 20MHz of bandwidth by using a 12" twisted pair-wire term tolerance, line regulation and load regulation. I from low line to high line at rated load. If from 0% to 100% rated load. If within every 15 seconds. Average output power should not exceed a component which will be installed into a final equipment.	inated with a 0.1uf & 47uf parallel capacitor. eed the rated power.	







■ Function Description

1.B+,B-

Connect the battery : B+ connected to battery positive.
B- connected to battery negative.

21

Output voltage detection, detection output voltage or battery voltage (if battery is used). L=output voltage $^{+0.7}_{0.0}$ V.

3.+V,-V

Output voltage. Can't connect the battery.

4.CN2

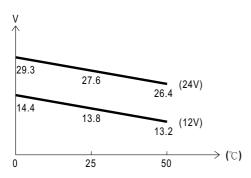
Temperature sensor can be connected to the unit to allow temperature compensation of the charging voltage.

If the sensor is not used, the charger still works normally.

Reference example:

Connect 100K Ω Thermistor(THINKING) on NTC. Adjust VR to cause the output voltage is normally voltage. The output voltage will change along with the temperature change.

	Ta :0°C	Ta :25°C	Ta :50°C
SCP-75-12	14.4±0.2V	13.8±0.1V	13.2±0.2V
SCP-75-24	29.3±0.4V	27.6±0.2V	26.4±0.4V



Temperature Sensor