

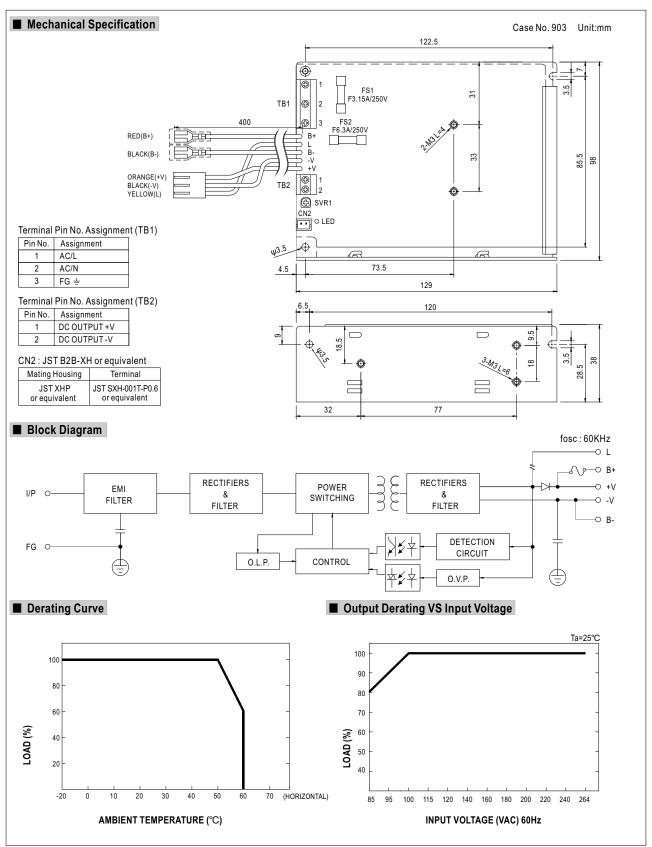


- Features :
- 'Universal AC input/Full range
- *Protections: Short circuit / Overload / Over voltage / Battery polarity protections (by fuse)
- *Built-in temperature compensation function
- 'Output voltage detection signal
- *Cooling by free air convection
- LED indicator for power on
- *No load power consumption < 0.75W
- *100% full load burn-in test

511 us CBC€

SPECIFIC	ATION	2 voore warrenty	c Mus CDCC		
MODEL		SCP-50-12 *2 years warranty	SCP-50-24		
ОИТРИТ	DC VOLTAGE	13.8V	27.6V		
	RATED CURRENT	3.6A	1.8A		
	CURRENT RANGE	0 ~ 3.6A	0~1.8A		
		4.3A	2.2A		
	RATED POWER	49.7W	49.7W		
	RIPPLE & NOISE (max.) Note.2		200mVp-p		
	VOLTAGE ADJ. RANGE	+15,-5%	+15,-5%		
	VOLTAGE TOLERANCE Note.3	2.0%	1.0%		
	LINE REGULATION Note.4	1.0%	1.0%		
	LOAD REGULATION Note.5	2.0%	1.0%		
	SETUP, RISE TIME	500ms, 30ms/230VAC 1200ms, 30ms/115VAC at full load	1.070		
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load			
	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC			
INPUT	FREQUENCY RANGE	85 ~ 204VAC 120 ~ 370VDC 47 ~ 63Hz			
	EFFICIENCY(Typ.)	81%	85%		
	AC CURRENT (Typ.)		00 /0		
	INRUSH CURRENT (Typ.)	1.1A/115VAC 0.65A/230VAC			
	LEAKAGE CURRENT	COLD START 45A			
		<2mA/240VAC			
FUNCTION	TEMP. COMPENSATION	By NTC (not provide with the power supply)			
	OUTPUT VOLTAGE SENSOR	L=output voltage +0.2 ~ 0.7V(AC OK); L=0V(AC Fail)	0.0.004		
	OVERLOAD	4.3 ~ 5.8A rated output power 2.2 ~ 2.9A rated output power			
PROTECTION		Protection type: Hiccup mode, recovers automatically after fault			
	OVER VOLTAGE	16.6 ~ 19.3V	33.1 ~ 38.5V		
		Protection type: Shut down o/p voltage, re-power on to recover			
	WORKING TEMP.	-20 ~ +60°C (Refer to output load derating curve)			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
ENVIRONMENT	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 &	SAFETY STANDARDS	UL60950-1, CB(IEC60950-1) approved			
EMC	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC			
(Note 7)	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH			
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B,EN61000-3-2,3			
	EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1, light industry level, criteria A			
OTHERS	MTBF	495.7K hrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	129*98*38mm (L*W*H)			
	PACKING	0.45Kg; 30pcs/14.5Kg/0.95CUFT			
NOTE	Ripple & noise are measure Tolerance : includes set up Line regulation is measured Load regulation is measure S Duty cycle maximum v	IOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ior measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Ior des set up tolerance, line regulation and load regulation. Ior se measured from low line to high line at rated load. Ior measured from 0% to 100% rated load. Ior measured from 0% to 100% rated load. Ior maximum within every 15 seconds. Average output power should not exceed the rated power. Iy is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets http://www.meanwell.com)			
	(As available on http://www.l	meanweil.com)	File Name COD FO CDFC 2004		







■ Function Description

1.B+,B-

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

2.L

Output voltage detection, detect output voltage or battery voltage (if battery is used).

Voltage of L Pin		
AC OK	Output voltage +0.2~0.7V(depends on Vf of diode)	
AC Fail	0V	

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.

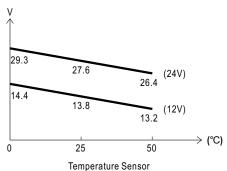
If the sensor is not used, the charger still works normally.

Reference example: (Under rated DC output voltage)

Connect $100 K\Omega$ Thermistor(THINKING) on NTC. The output voltage will change along

with the temperature change. If the output voltage is adjusted other than the rated value by internal potential meter, please consult Meanwell for suitable value of Thermistor.

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



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