

35W Switching Power Supply with battery charging function**■ Features:**

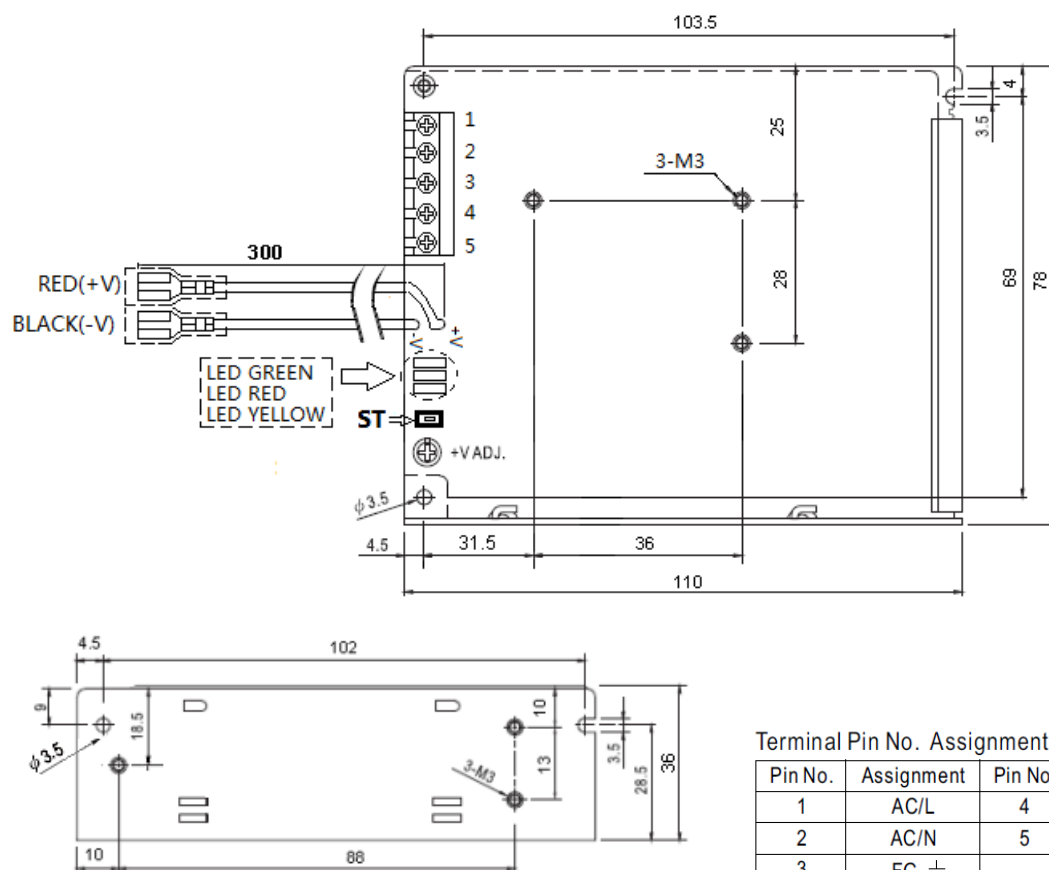
- Universal AC input/Full range
- Protections: Short circuit/Overload
- 100% full load burn-in test
- Battery low voltage protection
- LED for power on/off/charging
- Cooling by free air convection
- High efficiency up to 81%
- Low cost, high reliability
- 2 year warranty

**SPECIFICATION**

MODEL	SOBUP-13.8V35W		
OUTPUT	DC VOLTAGE	CH1	CH2
		13.8V	13.4V
	RATED CURRENT	2A	0.5A
	CURRENT RANGE	0~2.0A	----
	RATED POWER	34.3W	
	RIPPLE & NOISE (max.)	120mVp-p	----
	VOLTAGE ADJ. RANGE	11.3 ~ 14.9V	
	VOLTAGE TOLERANCE	±2.0%	----
	SETUP, RISE TIME	800ms, 50ms/230VAC, 1600ms, 50ms/115VAC	
	HOLD UP TIME(Typ.)	80ms/230VAC ,16ms/115VAC	
INPUT	VOLTAGE RANGE	100 ~ 245VAC	
	FREQUENCY RANGE	50 ~ 60Hz	
	EFFICIENCY (Typ.)	81%	
	AC CURRENT (Typ.)	0.9A/115VAC 0.45A/230VAC	
	INRUSH CURRENT (Typ.)	COLD START 25A/115VAC 45A/230VAC	
	LEAKAGE CURRENT	<1mA / 230VAC	
PROTECTION	OVERLOAD	110% ~ 150% rated output power	
		Protection type : Hiccup mode, recovers automatically after fault condition is removed	
	BATTERY LOW VOLATAGE	9.5 ~ 11V	
		Protection type : output cut off	
FUNCTION	UPS FUNCTION	charging battery all the time, high efficient charging, battery charged up to > 90%	
		Stop charging when battery is full. Over-charge protection, prolong battery lifetime	
		AC input/battery auto-interchangeable , change immediately	

		Cold start,when input cut off, battery will power on UPS to meet urgent require ment
ENVIRONMENT	WORKING TEMP.	-10°C ~ +50°C (Refer to "Derating Curve")
	WORKING HUMIDITY	20% ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20°C~ +85°C , 10% ~ 95% RH non-condensing
	SHOCK RESISTANCE	10-500Hz,2G 10min./period, duration 60mins, each axis
SAFETY	SAFETY STANDARDS	CE approved
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
OTHERS	DIMENSION	110*78*36mm
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance is sum total of voltage setting adjusting range,voltage adjusting range and current adjusting range.</p>	

■ Mechanical Specification



■ Function Description

1、 RED(+V), BLACK(-V)

Connect the battery: RED(+V) connected to battery positive.

BLACK(-V) connected to battery negative.

2、 LED GREEN: DC output

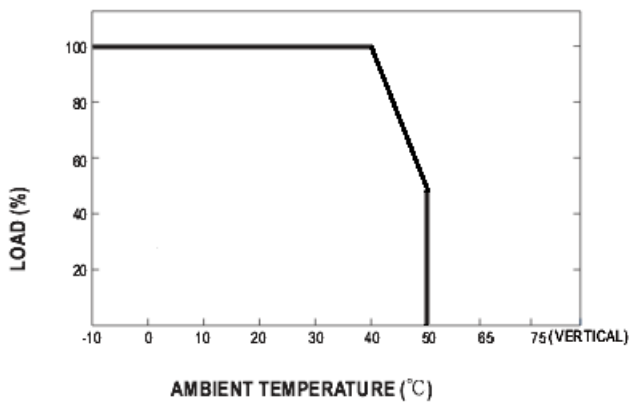
LED RED: AC input

LED YELLOW: Battery charging

3、 ST

ST: Cold start, when input cut off, battery will power on UPS to meet urgent requirement

■ Derating Curve



■ Static Characteristics

