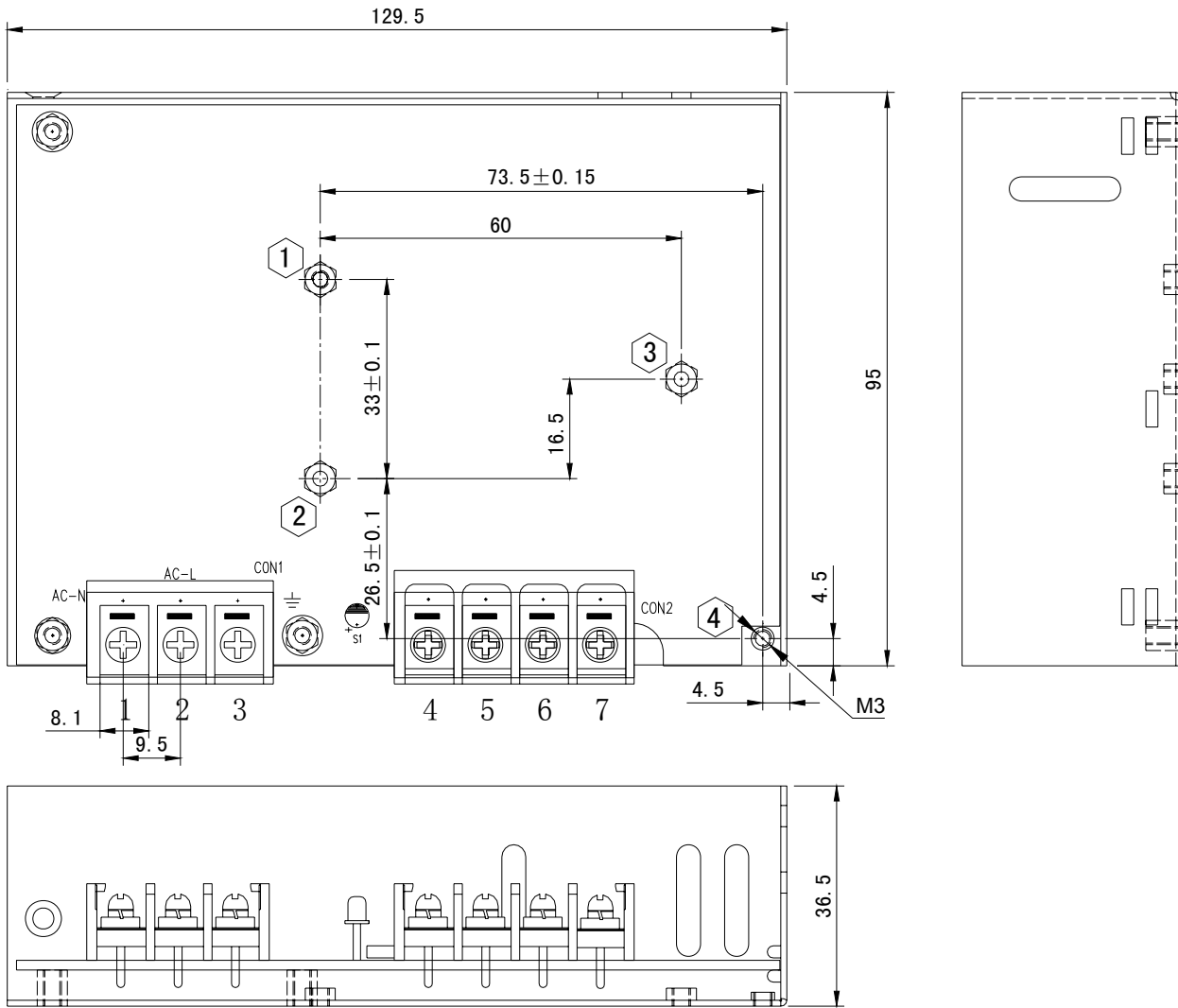

■ Features:

- AC input 176Vac~264Vac
- Protections:SCP/OLP/OVP
- Battery low protection/ Batter reverse polarity protection by fuse
- Constant current limiting for charging battery
- “0” switch time from the SMPS to Battery when AC fail
- 100% full load burn-in test
- 2 years warranty

SPECIFICATION

MODEL		KHD-09005		
OUTPUT	Output Number	V1	V2	
	DC Output	12.8V	13.8V	
	Rated Current	4A	0.5A (constant current)	
	Current Range	Note 1 0.4~4A	/	
	Ripple and Noise	0~50℃	≤70mVp-p	/
		-10~0℃	≤120mVp-p	/
	Voltage Accuracy	±1.0%	/	
	Line Regulation	±0.5%	/	
	Load Regulation	±3.0%	/	
	Voltage Adjustable Range	±30.0%		
	Set-up Time	< 1S (230Vac input, Full load)		
	Hold up Time	> 20mS(230Vac input, Full load)		
	Temperature Coefficient	±0.03%/℃		
	Overshoot &Undershoot	<5.0%		
INPUT	Voltage Range	176Vac~264Vac		
	Frequency Range	47Hz-63Hz		
	Efficiency (Typical)	>78%@230Vac		
	AC Current (max.)	2A		
	Inrush Current (Typical)	<40A@230Vac Cold start		
	Leakage Current	Input—Output: ≤0.07mA Input—PG: ≤3.5mA		
PROTECTION	Battery Low	9.9V±3%		
	Over Current	V1:105%-150% of rated current, hiccup mode,auto recovery		
	Over Voltage	V1: 105%-180% of rated voltage, auto recovery		
	Shorted Circuit	Long-time; auto recovery		
ENVIRONMENT	Operating.Temp.& Hum.	-10℃~45℃; 20%~90%RH No condensing		
	Storage Temp. & Hum.	-20℃~85℃; 10%~95%RH No condensing		
SAFETY &EMC (Note 3)	Safety Standards	GB4943-2001; EN60950-1: 2006		
	Withstand Voltage	Primary-Secondary:3.0KVac;≤10mA.Primary-PG:1.5KVac;≤10mA.Secondary-PG:0.5KVDC;≤10mA.		
	Isolation Resistance	≥100M ohms		
OTHERS	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25℃, Full load)		
	Dimension (L*W*H)	129×98×38mm		
	Cooling method	Cooling by free air convection		
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25℃ of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 10uF parallel capacitor. 3. The SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives..			

■ **Mechanical Specification**



Terminal	Function	4	BAT+
1	N	5	BAT-
2	L	6	GND
3	FG	7	V1