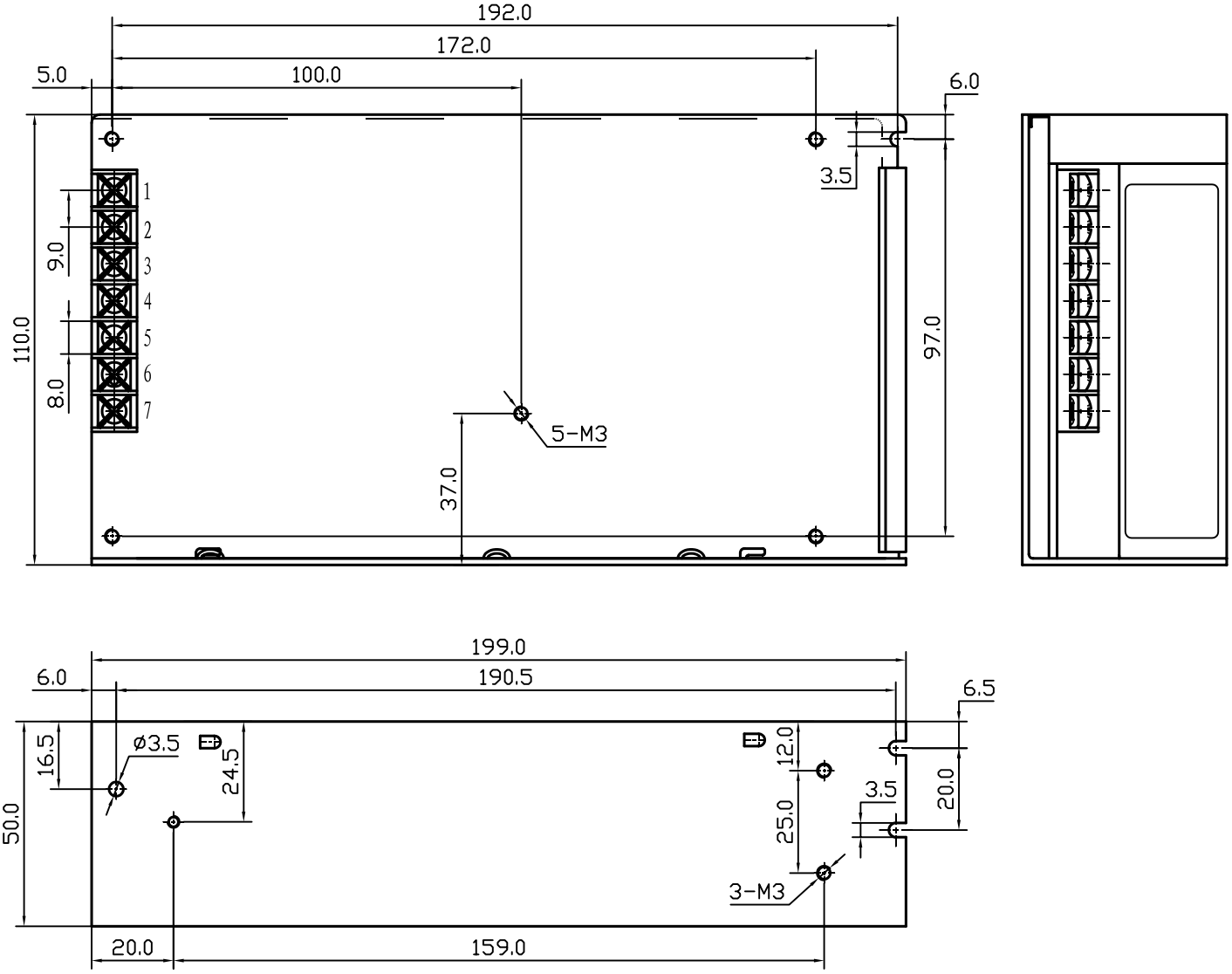
SKT-100 Triple Output Switching Power Supply

Features;

- High efficiency, high reliability
- Universal AC input/ full range
- 100% full load burn-in test
- Protections: Short circuit,/ Over load
- Cooling by free air convection
- 2 years warranty
- Dimensions: 199*110*50mm (L*W*H)
- Triple output high precision voltage

MODEL		SKT-100C			SKT-100D		
		CH1	CH2	CH3	CH1	CH2	CH3
OUTPUT	DC VOLTAGE	5V	15V	-15V	5V	12V	24V
	VOLTAGE TOLERANCE	±2%	±6%	±6%	±2%	±6%	±6%
	RATED CURRENT	10A	2.5A	1A	6A	2A	2A
	CURRENT RANGE	2-12A	0.2-2.5A	0.1-1A	2-12A	0.1-2A	0.2-2A
	RATED POWER	100W			102W		
	RIPPLE & NOISE	80mVp-p	150mVp-p	150mVp-p	80mVp-p	150mVp-p	150mVp-p
	DC ADJUSTMENT RANGE	CH1：+10,-5%					
	SETUP, RISE, HOLD TIME	200ms,500ms,16ms					
INPUT	VOLTAGE RANGE	85～132 VAC/170～264VAC 47～63 Hz；selected by switch 240～370VDC					
	AC CURRENT	2.5A/115V 1.25A/ 230V					
	EFFICIENCY	77%			79%		
	INRUSH CURREN	Cold start 30A/115V 60A/230V					
	LEAKAGE CURRENT	＜0.5mA/240VAC					
PROTECTION	OVER LOAD	105%～150%					
		Protection type: Shut down o/p voltage, re-power on to recover					
ENVIRONMENT	WORKING TEMP., HUMIDITY	-10℃～+50℃；20%～90 %RH					
	STORAGE TEMP., HUMIDITY	-20℃～+85℃；10%～95 %RH					
	VIBRATION	10～500Hz，2G 10min./1cycle, period for 60min, each along X, Y, Z axes					
SAFETY	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: 500VDC/100MΩ					
STANDARD	SAFETY STANDARD	Design refer to UL1012					
	EMC STANDARD	Design refer to FCC PART15 J CONDUCTION CLASS B					
OTHERS	WEIGHT	0.83Kg					
	PACKING	16pcs/14.7Kg/0.95CUFT					
NOTE	1. All parameter measured in 230V input voltage, rated load 25℃, 70% humidity. 2. Tolerance: includes set up tolerance, line regulation and load regulation. 3. Ripple & noise are measured at 20MHz of bandwidth by using a 12″ twisted pair-wire terminated with a 0.1μ & 47μ parallel capacitor. 4. The line regulation is measured at full load, input voltage from 85-264 VAC.。 5. The load regulation is measured at 230VAC input voltage, and output current changed from mini load to full load, other ouput is 60% rated load. 6. Each output can within current range. But total output power can't exceed rated load.						

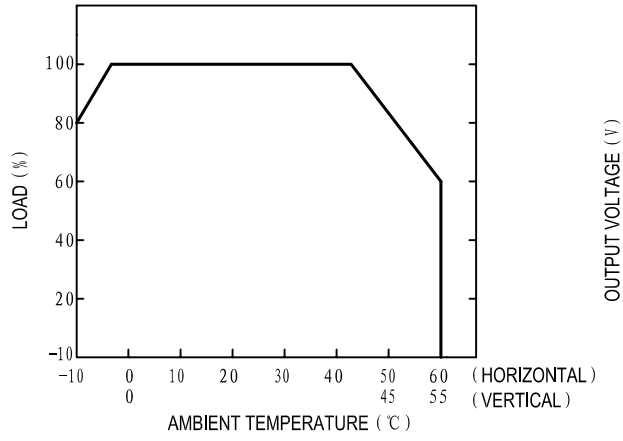
■Outline and Dimension:



Terminal Pin No. Assignment:

Pin No.	Assignment	Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V	7	DC OUTPUT +V1
2	AC/N	5	DC OUTPUT +V2		
3	FG ⏚	6	DC OUTPUT COM		

■Derating Curve



■Static Characteristics (B)