

HS-100 Single Output Switching Power Supply

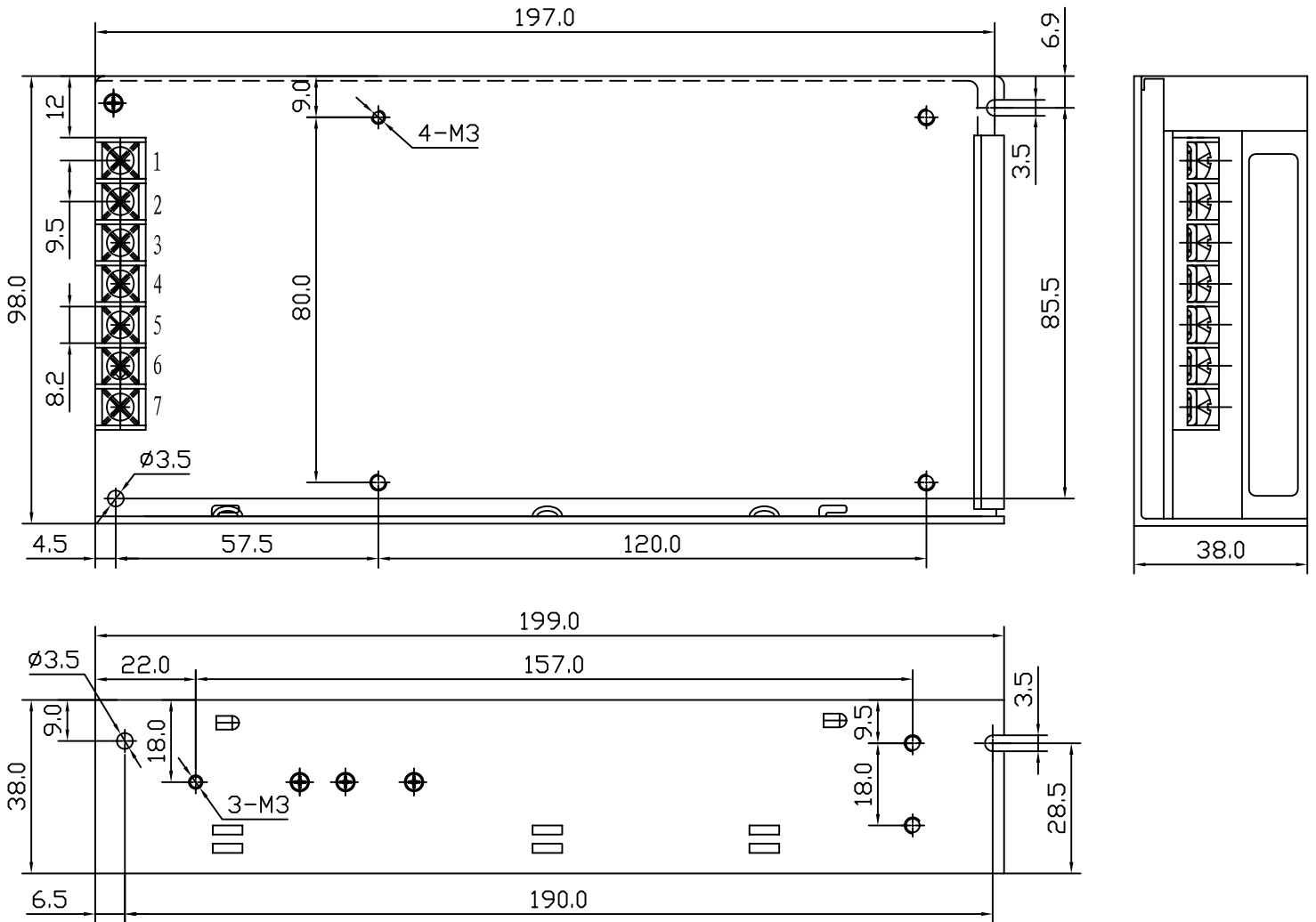
Features:

- High efficiency, high reliability, low cost
- AC input range selected by switch
- 100% full load burn-in test
- Protections: Short circuit / Over load
- Fixed switching frequency at 25KHz
- Cooling by free air convection
- 1 year warranty
- Dimensions: 199*98*38mm (L*W*H)



MODEL		HS-100	HS-100	HS-100	HS-100	HS-100	HS-100	HS-100	HS-100	HS-100	
		-3	-5	-7.5	-12	-15	-18	-24	-27	-48	
OUTPUT	DC VOLTAGE	3V	5V	7.5V	12V	15V	18V	24V	27V	48V	
	VOLTAGE TOLERANCE	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	
	RATED CURRENT	20A	20A	13.6A	8.5A	6.7A	5.6A	4.5A	3.7A	2A	
	CURRENT RANGE	0-20A	0-20A	0-13.6A	0-8.5A	0-6.7A	0-5.6A	0-4.5A	0-3.7A	0-2A	
	RATED POWER	60W	100W	102W	102W	100.5W	100.8W	108W	99.9W	96W	
	RIPPLE & NOISE	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	
	DCADJUSTMENT RANGE	-5%, +10%	-5%, +10%	±10%	±10%	±10%	±10%	±10%	±10%	-4%, +18%	±10%
	SETUP, RISE, HOLD TIME	200ms,80ms,20ms at full load									
INPUT	VOLTAGE RANGE	85~132 VAC/180~264VAC 47~63 Hz; selected by switch 255~370VDC									
	AC CURRENT	2.4A/115 V 1.2A/ 230 V									
	EFFICIENCY	70%	78%	80%	81%	81%	82%	84%	84%	84%	
	INRUSH CURRENT	Cold start 30A/115V 60A/230V									
	LEAKAGE CURRENT	<1 mA/240VAC									
PROTECTION	OVER LOAD	135%~165%									
		Protection type: Fold back current limiting, recovers automatically after fault condition is removed.									
ENVIRONMENT	WORKING TEMP., HUMIDITY	-10℃~+60℃; 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: 1.5KVAC 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									
STANDARD	SAFETY STANDARD	Design refer to UL1012									
	EMC STANDARD	Design refer to FCC Part15 J Conduction Class B									
OTHERS	WEIGHT	0.62Kg									
	PACKING	20pcs/13.6Kg/0.72CUFT									
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation.										

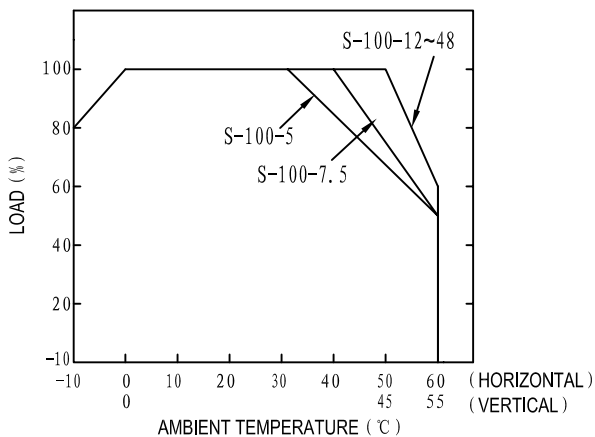
■ Outline and Dimension:



Terminal Pin No. Assignment:

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4, 5	DC OUTPUT -V
2	AC/N	6, 7	DC OUTPUT +V
3	FG \downarrow		

■ Derating Curve



■ Static Characteristics (24V)

