

# HSP-75 Single Output Switching Power Supply

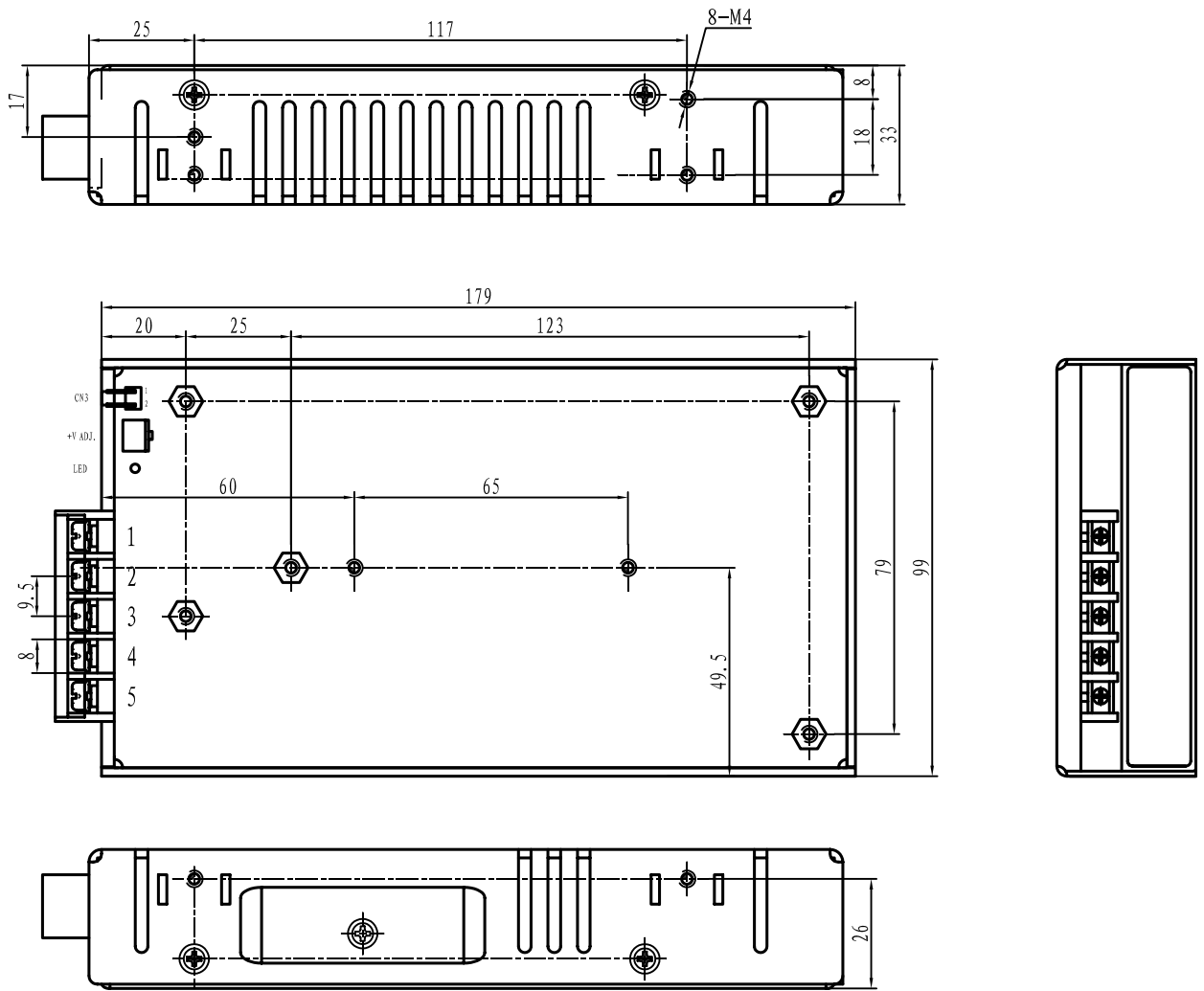
**Features:**

- Universal AC input/ full range
- Built-in active PFC function
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage
- Built-in constant current limiting circuit
- LED indicator for power on
- Fixed switching frequency at PFC: 7KHz PWM:134KHz
- 3 years warranty
- Dimensions: 179\*99\*33mm (L\*W\*H)



MODEL		HSP-75 -3.3	HSP-75 -5	HSP-75 -7.5	HSP-75 -12	HSP-75 -13.5	HSP-75 -15	HSP-75 -24	HSP-75 -27	HSP-75 -48	
<b>OUTPUT</b>	DC VOLTAGE	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V	
	VOLTAGE TOLERANCE	±2%	±2%	±2%	±2%	±2%	±2%	±1%	±1%	±1%	
	RATED CURRENT	15A	15A	10A	6.3A	5.6A	5A	3.2A	2.8A	1.6A	
	CURRENT RANGE	0-15A	0-15A	0-10A	0-6.3A	0-5.6A	0-5A	0-3.2A	0-2.8A	0-1.6A	
	RATED POWER	49.5W	75W	75W	75.6W	75.6W	75W	76.8W	75.6W	76.8W	
	RIPPLE & NOISE	80mVp-p						100mVp-p			
	DC ADJUSTMENT RANG	-5%, +10%									
	SETUP, RISE, HOLDTIME	600ms,60ms,20ms at full load									
<b>INPUT</b>	VOLTAGE RANGE	85~264 VAC 47-63Hz; 120~370VDC									
	POWER FACTOR	PF>0.93/230VAC, PF>0.96/115VAC at full load									
	AC CURRENT	1.3A/115 VAC 0.7A/230VAC									
	EFFICIENCY	68%	72%	74%	77%	78%	79%	80%	80%	80%	
	INRUSH CURRENT	Cold start 40A/230VAC									
	LEAKAGE CURRENT	<2mA/240VAC									
<b>PROTECTION</b>	OVER LOAD	105%~150%									
		Protection type: Constant current limiting, recovers automatically after fault condition is removed									
	OVER VOLTAGE	115%~135%									
		Protection type: Shut down o/p voltage, re-power on to recover									
<b>FUNCTION</b>	REMOTE CONTROL (OPTIONAL)	CN3:4 ~ 10VDC POWER OFF , <0 ~ 0.8VDC POWER ON									
<b>ENVIRONMENT</b>	WORKING TEMP.,HUMIDITY	-10℃~+60℃; 20%~90 %RH									
	WORKING TEMP.,HUMIDITY	-20℃~+85℃; 10%~95 %RH									
	VIBRATION	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes									
<b>SAFETY</b>	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: 100M Ohms / 500VDC									
<b>STANDARD</b>	SAFETY STANDARD	Design refer to UL1950,TUV EN60950									
	EMC STANDARD	EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN55024									
<b>OTHERS</b>	WEIGHT	0.58Kg									
	PACKING	20pcs/12.0Kg/0.64CUFT									
<b>NOTE</b>	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ &amp; 47 μ parallel capacitor.</li> <li>3. Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</li> </ol>										

■ Outline and Dimension:



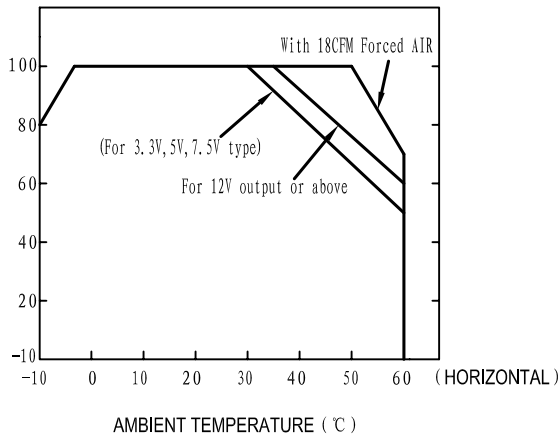
Terminal Pin No. Assignment:

Pin No.	Assignment	Pin No.	Assignment
1	DC OUTPUT +V	3	FG ⊕
2	DC OUTPUT -V	4, 5	AC INPUT

Remote ON/OFF (CN3): Molex 5046-02 or equivalent

Pin No.	Assignment	Mating Connector	Terminal
1	RC-	Molex 5051	Molex 2759
2	RC+	or equivalent	or equivalent

■ Derating Curve



■ Output Derating VS Input Voltage

