

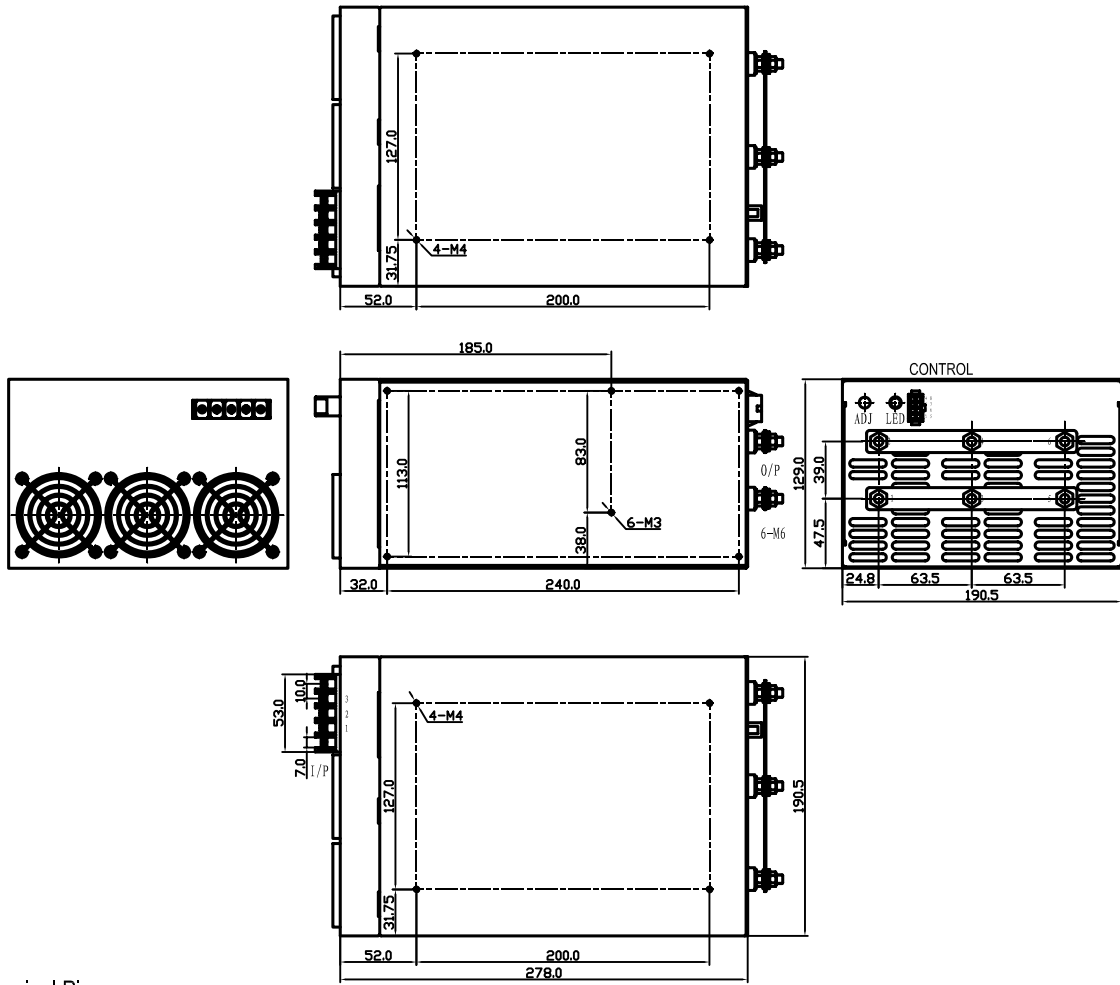

Features:

- High efficiency, high reliability
- AC input inrush current limiting
- Built-in active PFC function, PF>0.95
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in constant current limiting circuit
- Built-in remote ON-OFF control and remote sense function
- 3 years warranty
- Dimensions: 278*129*190.5mm (L*W*H)

Case: H026

MODEL		HPSP-1500 -5	HPSP-1500 -12	HPSP-1500 -13.5	HPSP-1500 -15	HPSP-1500 -24	HPSP-1500 -27	HPSP-1500 -48	
OUTPUT	DC VOLTAGE	5V	12V	13.5V	15V	24V	27V	48V	
	VOLTAGE TOLERANCE	±6.0%	±3.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	
	RATED CURRENT	217.5A	112.5A	100.5A	90A	56.4A	50.4A	28.5A	
	CURRENT RANGE	0-217.5A	0-112.5A	0-100.5A	0-90A	0-56.4A	0-50.4A	0-28.5A	
	RATED POWER	1087.5W	1350W	1356.75W	1350W	1353.6W	1360.8W	1368W	
	PEAK VALUE POWER	1200W	1500W	1500W	1500W	1500W	1500W	1500W	
	RIPPLE & NOISE	100mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	
	DC ADJUSTMENT RANGE	-5%, +10%	-17%, +10%	±11%	-10%, +20%	-17%, +10%	±11%	-15%, +17%	
SETUP, RISE, HOLD TIME	1.5s,50ms,15ms/230VAC at full load								
INPUT	VOLTAGE RANGE	176~264 VAC 47-63Hz; 248~370VDC							
	POWER FACTOR	PF>0.95/230VAC at full load							
	AC CURRENT	10.5A/230 VAC							
	EFFICIENCY	77%	84%	84%	84%	85%	85%	86%	
	INRUSH CURRENT	Cold start 100A/230VAC							
	LEAKAGE CURRENT	<3.5mA/240VAC							
PROTECTION	OVER LOAD	115%~140% 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							
	OVER TEMP.	95 (TSW1) Detect on the heatsink of PFC MOSFET 90 (TSW2) Detect the winding of output choke Protection type: Shut down o/p voltage, recovers automatically after temperature goes down							
FUNCTION	REMOTE ON-OFF CONTROL	RC+/RC-: 0~0.8V POWER ON, 4~10V POWER OFF sink current <30mA							
ENVIRONMENT	WORKING TEMP., HUMIDITY	-10℃~+65℃; 20%~90 %RH							
	STORAGE TEMP., HUMIDITY	-20℃~+85℃; 10%~95 %RH							
	VIBRATION	10~500Hz, 2G 10min./1cycle, period for 60min, 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: 100M Ohms / 500VDC							
STANDARD	SAFETY STANDARD	Design refer to UL1950,TUV EN60950							
	EMC STANDARD	Design refer to EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN55024							
OTHERS	WEIGHT	7.4Kg							
	PACKING	2pcs/15.5Kg/1.28 CUFT							
NOTE	<ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature. 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. Tolerance: includes set up tolerance, line regulation and load regulation. 10% Duty cycle maximum within every 30 seconds(max).Average output power should not exceed the rated power 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. 								

■ Outline and Dimension:



AC Input Terminal Pin No. Assignment:

Pin No.	Assignment
1	AC/L
2	AC/N
3	FG ⊕

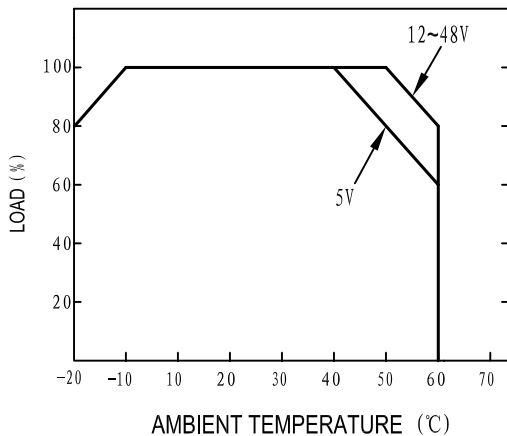
DC Output Terminal Pin No. Assignment:

Pin No.	Assignment
1,3,5	DC OUTPUT +V
2,4,6	DC OUTPUT -V

Control Pin No. Assignment : MOLEX 5559-NP uses 5558 male crimp terminal

Pin No.	Assignment	Pin No.	Assignment	Mating Connector	Terminal
1	NC	5	NC	MOLEX 5557-NR	MOLEX 5556 Female crimp Terminal receptacle
2	-S	6	NC		
3	G	7	+S		
4	RC-	8	RC+		

■ Derating Curve



■ Output Derating VS Input Voltage

