

MEAN WELL

SWITCHING POWER SUPPLY **ISO-9001 CERTIFIED MANUFACTURER**

PSP-500 SERIES

.LOW COST, HIGH RELIABILITY

.BUILT IN EMI FILTER, CURRENT SHARING CIRCUIT

BUILT IN REMOTE CONTROL, REMOTE SENSE.

POWER GOOD SIGNAL

.100% FULL LOAD BURN-IN TEST

.105°C OUTPUT CAPACITOR

.BUILT IN PFC CIRCUIT PFC /font>0.95,

COMPLIES WITH EN61000-3-2

.SHORT CIRCUIT, OVERLOAD, OVER VOLTAGE, OVER TEMP. PROTECTED



MODEL	PSP-500	PSP-500	PSP-500	PSP-500	PSP-500	PSP-500	PSP-500	
SPECIFICATION	-5	-12	-13.5	-15	-24	-27	-48	
DC OUTPUT VOLTAGE	5V	12V	13.5V	15V	24V	27V	48V	
OUTPUT V. TOLERANCE	±2%	±1%	±1%	±1%	±1%	±1%	±1%	
OUTPUT RATED CURRENT	80A	41.5A	37A	33A	20.8A	18.5A	10.5A	
OUTPUT CURRENT RANGE	0-80A	0-41.5A	0-37A	0-33A	0-20.8A	0-18.5A	0-10.5A	
RIPPLE & NOISE(Vp-p)	100m	150m	150m	150m	150m	150m	200m	
LINE REGULATION	±0.5%	±0.3%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%	
LOAD REGULATION	±2%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
DC OUTPUT POWER	400W	498W	499.5W	495W	499.2W	499.5W	504W	
PEAK OUTPUT POWER	500W	600W	600W	600W	600W	600W	600W	
EFFICIENCY	76%	82%	82%	82%	84%	84%	86%	
DC VOLTAGE ADJ.	4.75-5.5V	10-13.2V	12-15V	13.5-18V	20-26.4V	24-30V	41-56V	
INPUT VOLTAGE RANGE	90~264VAC 47~63Hz; 127~370VDC							
AC CURRENT	7A/115V 3.5A/230V							
POWER FACTOR	0.98/100VAC 0.95/230VAC							
INRUSH CURRENT	20A/115V 40A/230V							
LEAKAGE CURRENT	<1mA/240VAC							
OVERLOAD PROTECTION	115%~130% TYPE:CONSTANT CURRENT LIMITING RESET:AUTO RECOVERY							
OVER VOLTAGE PROTECTION	5.75~6.75	13.8~16.2V	15.5~18.2V	18~21V	27.6~32.4V	31~36.5V	57.6~67.2V	
OVER TEMP.PROTECTION	RTH2 /font>95°C OUTPUT SHUTDOWN							
REMOTE CONTROL	RC+/RC-: 0~0.8V=POWER ON; 3~10V=POWER OFF SINK CURRENT3~10mA							
TEMP. COEFFICIENT	±0.03% / ° C (0~50° C)							
SETUP, RISE, HOLD UP TIME	1.5s, 50ms, 15ms							
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES							
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 / 100M Ohms							
WORKING TEMP., HUMIDITY	-10° C~+60° C(REFER TO OUTPUT DERATING CURVE), 20%~90% RH WITH 30CFM FORCED AIR							
STORAGE TEMP., HUMIDITY	-20°C~+85°C	-20°C~+85°C, 10%~95% RH						
DIMENSION	278*127*63.5mm							
WEIGHT	2.5 Kgs	2.5 Kgs						
SAFETY STANDARDS	UL1950, TUV	UL1950, TUV EN60950 APPROVED						
EMC STANDARDS	CISPR22(FN	55022)CLASS F	B, EN61000-4-2	.3,4,5,6.8.11:	ENV50204 FN	61000-3-2 VFF	RIFICATION	

NOTE: 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25° C 70% RH. AMBIENT.

2.TOLERANCE GINCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.

3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.

4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD. 5.LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

6.REFER TO OUTPUT DERATING CURVE VS INPUT VOLTAGE.
7.PEAK OUTPUT POWER LASTING <30 SECONDS WITH A MAX. 10% DUTY CYCLE

