ITE Power Supply

120W / 200W(Air) Open Frame

WP513F13-2412

Features:

- ◆ High Density, High Efficiency＞85%
- ◆ Mini. Size, Low Profile 3” x 5” x 1.5”
- ◆ Low Leakage Current ＜750uA @ 230Vac
- ◆ Safety Compliant With UL60950
- ◆ 12Vaux For External Fan Cooling
- ◆ OCP , OVP Protection
- ◆ High Power 120W/Convection , 200W/20CFM Air

Application:

POE , POS , LCD TV

Industrial Equipment

Gaming Machine

Safety Certified:

INPUT SPECIFICATIONS	
INPUT VOLTAGE	Universal Input : 90 ~ 264Vac
INPUT FREQUENCY	47 ~ 63Hz
INPUT CURRENT	2.5A/115Vac , 1.3A/230Vac
INRUSH CURRENT (Typ.)	100A/230Vac half cycle cold start
POWER FACTOR (Typ.)	PF ＞ 0.95 / 230Vac full load
EFFICIENCY (Typ.)	85%
LEAKAGE CURRENT	Leakage current ＜ 750uA/230Vac

OUTPUT SPECIFICATIONS		
VOLTAGE	V1 = +24V	V2 = +12V
RATED LOAD(Convection)	0 ~ 5A	0 ~ 3A
Max. LOAD(W/20CFM Airflow or Fan)	8.33A	5A
RIPPLE & NOISE	240mV	120mV
REGULATION	±3%	±3%
Max. POWER	120W / 200W	

PROTECTION SPECIFICATIONS	
OCP: (Over Load Protection)	150 ~ 200%
OVP: (Over Voltage Protection)	110 ~ 130%
OTP: (Over tEMP. Protection)	N/A

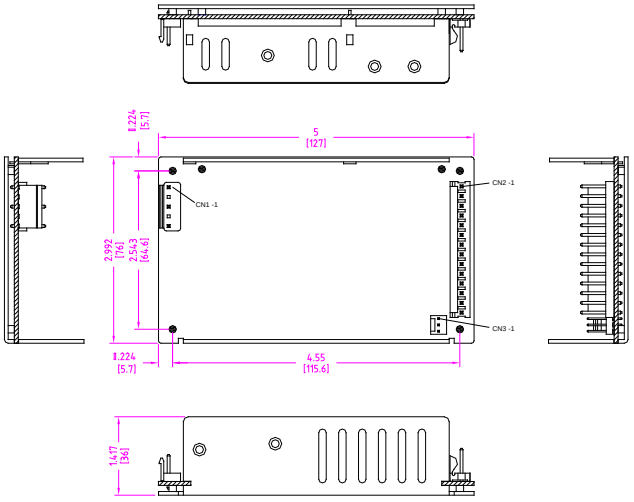
GENERAL SPECIFICATIONS	
HOLD UP TIME (Typ.)	≧16mS @ 115V
REMOTE CONTROL	N/A
DC OK SIGNAL	PSU turn on: 3.3~5.6V , PSU turn off: 0~1V
12Vaux For External Fan	12Vaux / 1A
COOLING	Convection/120W, 20CFM for 200W

SAFETY & ENVIRONMENTAL SPECIFICATIONS	
SAFETY APPROVALS REQUIRED :	UL , cUL , CE , FCC
SAFETY STANDARDS	UL 60950-1 2nd , EN 60950-1
EMC EMISSION	EN55022(CISPR22) & FCC Class B.
OPERATING AMBIENT TEMP.	-20 ~ 70℃

Typical Mechanical Drawing :

WP513F13-2412-AA-3

Case dimension (L*W*H): 127*76*36 mm ±0.5mm



I/P Connector (CN1) :

MOLEX 09-65-2058 (5273 SERIES) or equivalent
Mates with (MOLEX 5239) or equivalent

Pin	Signal
1	F.G
2	N/A
3	N
4	N/A
5	L

O/P Connector (CN2) :

MOLEX 09-65-2058 (5273 SERIES) or equivalent
Mates with (MOLEX 5239) or equivalent

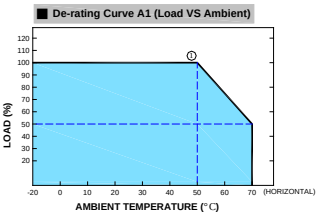
Pin	Signal	Pin	Signal
1	+12V AUX	7	GND
2	+24V	8	GND
3	+24V	9	GND
4	+12V	10	GND
5	+12V	11	N/A
6	GND	12	N/A

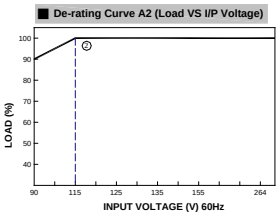
O/P Connector (CN3) :

MOLEX 22-23-2031 (6373 SERIES) or equivalent
Mates with (MOLEX 2695) or equivalent

Pin	Signal
1	N/A
2	+12Vs+
3	N/A

De-rating Curve





Note: ①The derating slop of ambient temperature of 50℃ to 70℃ is -5W/1℃
②The derating slop of output watts of 115Vac to 90Vac is -0.8W/1V