

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.)	83%
LEAKAGE CURRENT	Leakage current < 750uA/230Vac

OUTPUT SPECIFICATIONS				
VOLTAGE	V1=+12V	V2=+3.3V	V3=+5V	V4=-12V
RATED LOAD(Convection)	0 ~ 10A	0 ~ 8A	0 ~ 8A	0 ~ 1A
Max. LOAD(W/20CFM Airflow or Fan)	16.6A	13A	13A	
RIPPLE & NOISE	120mV	50mV	50mV	150mV
REGULATION	±3%	±3%	±3%	±5%
Max. POWER	120W / 200W			

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

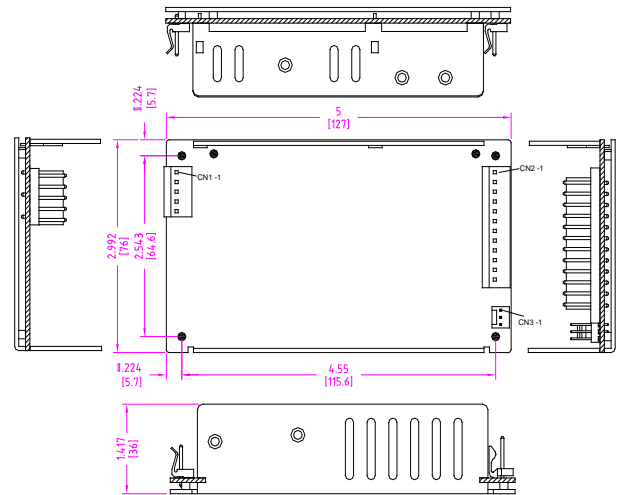
GENERAL SPECIFICATIONS	
HOLD UP TIME (Typ.)	≥ 16mS @ 115V
REMOTE CONTROL	N/A
DC OK SIGNAL	PSU turn on: 3.3~5.6V , PSU turn off: 0~1V
12Vaux For External Fan	12Vaux / 1A
COOLING	Convection/120W, 20CFM for 200W

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°C

Typical Mechanical Drawing :

WP513F14-12-12-BB-2

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

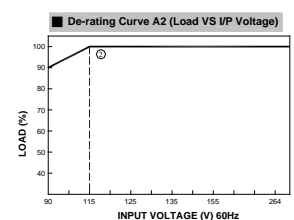
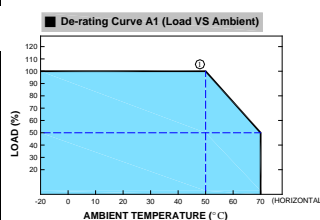
Pin	Signal	Pin	Signal
1	-12.3V	7	GND
2	+12.3V	8	GND
3	+12.3V	9	GND
4	+3.6V	10	GND
5	+3.6V	11	+5.3V
6	GND	12	+5.3V

O/P Connector (CN3) :

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

Pin	Signal
1	PG
2	V2s+
3	V3s+

De-rating Curve



Note: ○ The derating slope of ambient temperature of 50°C to 70°C is -5W/1°C
○ The derating slope of output watts of 115Vac to 90Vac is -0.8W/1V