

Features:

- ◆ High Density, High Efficiency > 90%
- ◆ Mini. Size, Low Profile 3" x 5" x 1.5"
- ◆ Low Leakage Current < 750uA @ 230Vac
- ◆ Safety Compliant With UL60950& UL60601-1
- ◆ 5Vsb ,12Vaux For External Fan Cooling.
- ◆ Remote Control ,OCP , OVP , OTP Protection
- ◆ High Power 200W/Convection , 300W/20CFM Air

Application:

POE , POS , LCD TV
Medical Equipment
Industrial Equipment

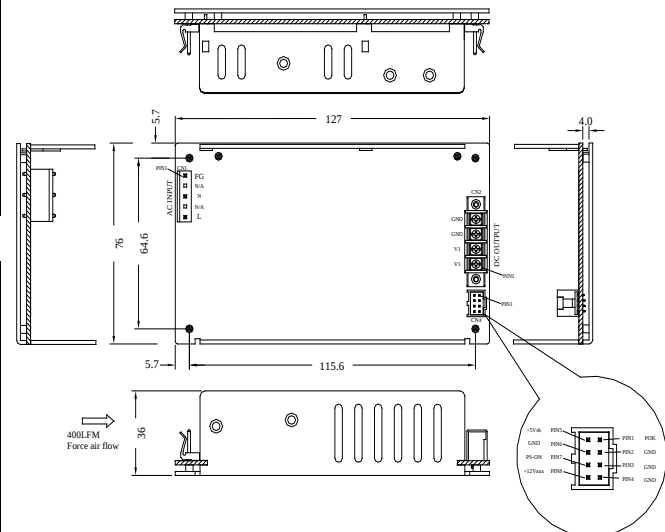
Safety Certified:



Typical Mechanical Drawing :

WP213F13-24

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



Input 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

Output Connector (CN2) –4PIN:

HOWDERHD-816-4P or equivalent

Pin	Signal
1	V1
2	V1
3	GND
4	GND

V1=24V

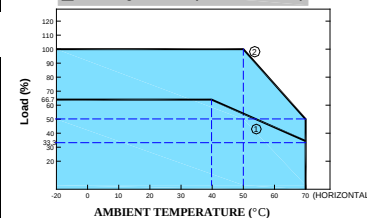
Connector (CN4) :

MOLEX 90130-1108 (90130 SERIES) or EQU
Mates with (MOLEX 90142) or EQU

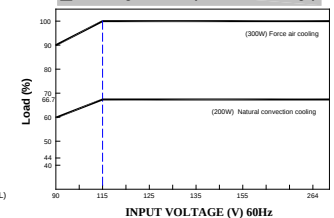
Pin	Signal	Pin	Signal
1	P OK	5	+5Vsb
2	GND	6	GND
3	GND	7	PS OK
4	GND	8	+12Vaux

De-rating Curve

■ De-rating Curve A1 (Load VS Ambient)



■ De-rating Curve A2 (Load VS I/P Voltage)



Note: ① Convection (Temperature derating) [1.6% / degree 40°C to 70°C]
② Fan air (400LFM) [2.5% / degree 50°C to 70°C]

INPUT SPECIFICATIONS

INPUT VOLTAGE	Universal Input : 90 ~ 264Vac
INPUT FREQUENCY	47 ~ 63Hz
INPUT CURRENT	4.5A/115Vac , 2.0A/230Vac
INRUSH CURRENT (Typ.)	100A/230Vac half cycle cold start
POWER FACTOR (Typ.)	PF > 0.95 /full load
EFFICIENCY (Typ.)	91%
LEAKAGE CURRENT	Leakage current < 750uA/230Vac

OUTPUT SPECIFICATIONS

VOLTAGE	+24V
RATED LOAD(Convection)	0 ~ 8.3A
Max. LOAD(W/20CFM Airflow or Fan)	12.5A
RIPPLE & NOISE	240mV
REGULATION	±3%
Max. POWER	200W / 300W

PROTECTION SPECIFICATIONS

OCP: (Over Load Protection)	150 ~ 200%
OVP: (Over Voltage Protection)	26.4 ~ 31.2V
OTP: (OverTemp. Protection)	HS1 ≥115°C, Shut down O/P voltage

GENERAL SPECIFICATIONS

HOLD UP TIME (Typ.)	≥16mS @ 115V
REMOTE CONTROL(ON-OFF)	ON@ High or Open, Off@ Low or Short
DC OK SIGNAL(P-OK)	High : 2.4 ~ 5.25V , Low : 0 ~ 0.4V
5Vsb & 12Vaux For External Fan	5Vsb/ 0.8A , 12Vaux./ 0.4A
COOLING	Convection/200W, 20CFM for 300W

SAFETY & ENVIRONMENTAL SPECIFICATIONS

SAFETY APPROVALS REQUIRED :	Meet UL , cUL , CE , FCC , CB
SAFETY STANDARDS	UL 60950-1 2nd , EN 60950-1& 60601-1
EMC EMISSION	EN55022(CISPR22) & FCC Class B.
OPERATING AMBIENT TEMP.	-20 ~ 70°C