

Features:

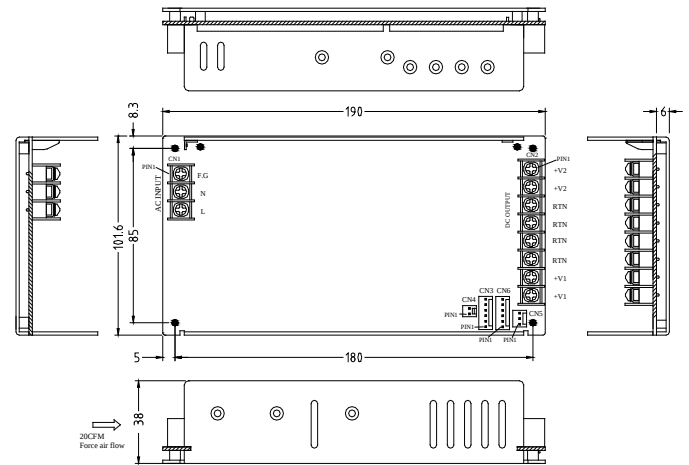
- ◆ High Density, High Efficiency > 90%
- ◆ Mini. Size, Low Profile 4" x 7.5" x 1.5"
- ◆ Low Leakage Current < 750uA @ 230Vac
- ◆ Safety Compliant With UL60950
- ◆ 5Vsb, 12Vaux For External Fan Cooling.
- ◆ Remote Control, OCP, OVP, OTP Protection
- ◆ High Power 400W/Convection, 700W/20CFM Air

Application:

POE, POS, LCD TV
Medical Equipment
Industrial Equipment

Safety Certified:**Typical Mechanical Drawing :****WP316F11-48**

Case dimension (L*W*H): 190*101.6*38 ±0.5mm

**Input Connector (CN1) :**

HOWDERHD-816-3P or equivalent

Pin	Signal
1	F.G
2	N
3	L

Output Connector (CN2) :

HOWDERHD-816-6P or equivalent

Pin	Signal
1	+V2
2	+V2
3	RTN
4	RTN
5	RTN
6	RTN
7	+V1
8	+V1

O/P Connector (CN3) :MOLEX 22-23-2061 (6373 SERIES) or EQU
Mates with (MOLEX 2695) or EQU

Pin	Signal
1	+12Vaux
2	+12Vaux
3	RTN
4	RTN
5	+5Vsb
6	+5Vsb

Connector (CN4) :

MOLEX 22-23-2021 (6373 SERIES) or EQU

Mates with (MOLEX 2695) or EQU

Pin	Signal
1	+12aux
2	RTN

Connector (CN5) :

MOLEX 22-23-2021 (6373 SERIES) or EQU

Mates with (MOLEX 2695) or EQU

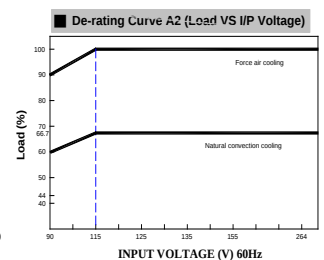
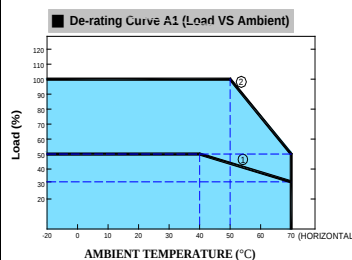
Pin	Signal
1	P-OK
2	RTN
3	PS-ON

O/P Connector (CN6) :

MOLEX 22-23-2061 (6373 SERIES) or EQU

Mates with (MOLEX 2695) or EQU

Pin	Signal
1	PS-ON
2	P-OK
3	VL-S1
4	SGND1
5	V2-LS
6	SGND2

De-rating Curve

Note: ① Convection (Temperature derating) [-0.66% / 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	6.5A/115Vac, 3.0A/230Vac
INRUSH CURRENT (Typ.)	100A/230Vac half cycle cold start
POWER FACTOR (Typ.)	PF > 0.95 / full load
EFFICIENCY (Typ.)	90%
LEAKAGE CURRENT	Leakage current < 750uA/230Vac

OUTPUT SPECIFICATIONS($V_0 = V_1 = V_2 / I_0 = I_1 + I_2$)		
VOLTAGE($V_0 = V_1 = V_2$)	V1 = +48V	V2 = +48V
RATED LOAD(Convection)	I1 = 0 ~ 4.25A	I2 = 0 ~ 4.25A
Max. LOAD(W/20CFM Airflow or Fan)	I1max. = 7.5A	I2max. = 7.5A
$I_0 = I_1 + I_2 / I_0$ max.	8A / 14Amax. (W/20CFM Airflow or Fan)	
REGULATION / RIPPLE & NOISE	480mV / ±3%	
Max. POWER	400W(Convection) / 700W(Force Air)	

PROTECTION SPECIFICATIONS	
OCP: (Over Load Protection)	150 ~ 200%
OVP: (Over Voltage Protection)	52.8 ~ 58.8V
OTP: (Over Temp. 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
PARALLEL OPERATION	Built-in active current sharing(N+1=N)

SAFETY & ENVIRONMENTAL SPECIFICATIONS	
SAFETY APPROVALS REQUIRED :	Meet 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