

Features:

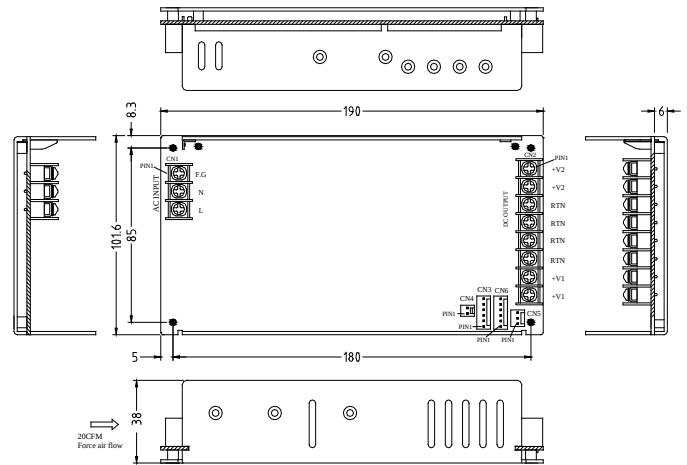
- ◆ High Density, High Efficiency > 90%
- ◆ Mini. Size, Low Profile 4" x 7.5" x 1.5"
- ◆ Low Leakage Current < 750uA @ 230Vac
- ◆ Safety Compliant With UL60950
- ◆ 5Vsb ,12Vaux For External Fan Cooling.
- ◆ Remote Control ,OCP , OVP , OTP Protection
- ◆ High Power 400W/Convection , 700W/20CFM Air

Application:

POE , POS , LCD TV
Medical Equipment
Industrial Equipment

Safety Certified:**Typical Mechanical Drawing :****WP316F11-24**

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

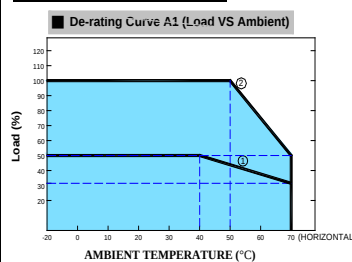
Pin	Signal
1	+12aux
2	RTN

Connector (CN5) :
MOLEX 22-23-2021 (6373 SERIES) or EQU
Mates with (MOLEX 2695) or EQU

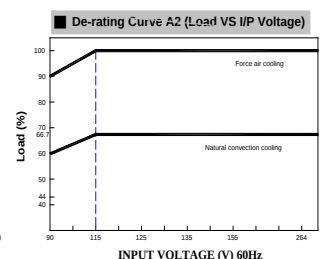
Pin	Signal
1	P-OK
2	RTN
3	PS-ON

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($V_o = V_1 = V_2 / I_o = I_1 + I_2$)		
VOLTAGE($V_o = V_1 = V_2$)	$V_1 = +24V$	$V_2 = +24V$
RATED LOAD(Convection)	$I_1 = 0 \sim 8.3A$	$I_2 = 0 \sim 8.3A$
Max. LOAD(W/20CFM Airflow or Fan)	$I_{1max.} = 15A$	$I_{2max.} = 15A$
$I_o = I_1 + I_2 / I_o \text{ max.}$	16A / 29Amax. (W/20CFM Airflow or Fan)	
REGULATION / RIPPLE & NOISE	240mV / $\pm 3\%$	
Max. POWER	400W(Convection) / 700W(Force Air)	

PROTECTION SPECIFICATIONS	
OCP: (Over Load Protection)	150 ~ 200%
OVP: (Over Voltage Protection)	110 ~ 130%
OTP: (Over Temp. Protection)	HS1 $\geq 115^\circ\text{C}$, Shut down O/P voltage

GENERAL SPECIFICATIONS	
HOLD UP TIME (Typ.)	$\geq 16\text{mS}$ @ 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