

**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
- ◆ 12Vaux For External Fan Cooling(Optional)
- ◆ OCP , OVP , OTP Protection
- ◆ High Power 200W/Convection , 300W/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	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.)	92%
LEAKAGE CURRENT	Leakage current < 750uA/230Vac

OUTPUT SPECIFICATIONS	
VOLTAGE	+48V
RATED LOAD(Convection)	0 ~4.16A
Max. LOAD(W/20CFM Airflow or Fan)	6.25A
RIPPLE & NOISE	480mV
REGULATION	±3%
Max. POWER	200W / 300W

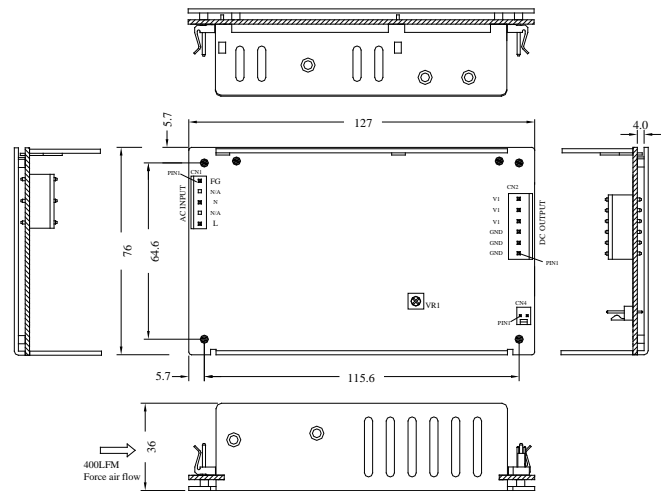
PROTECTION SPECIFICATIONS	
OCP: ( Over Load Protection)	150 ~ 200%
OVP: ( Over Voltage Protection)	52.8 ~ 58.8V
OTP: ( OverTemp. Protection)	Shut down O/P voltage

GENERAL SPECIFICATIONS	
HOLD UP TIME (Typ.)	≥ 16mS @ 115V
REMOTE CONTROL	N/A
DC OK SIGNAL	Led.
12Vaux For External Fan	F11-NF w/o 12Vaux, F11-VF with 12Vaux. @ 1A
COOLING	Convection/200W, 20CFM for 300W

SAFETY & ENVIRONMENTAL SPECIFICATIONS	
SAFETY APPROVALS REQUIRED :	UL , cUL , CE , FCC , CB
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 :**

**WP213F11-48For Output Connector (CN2) –6PIN**  
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) –6PIN:**

MOLEX 09-65-2068 (5273 SERIES) or equivalent  
Mates with (MOLEX 5239) or equivalent

Pin	Signal	Pin	Signal
1	GND	4	V1
2	GND	5	V1
3	GND	6	V1

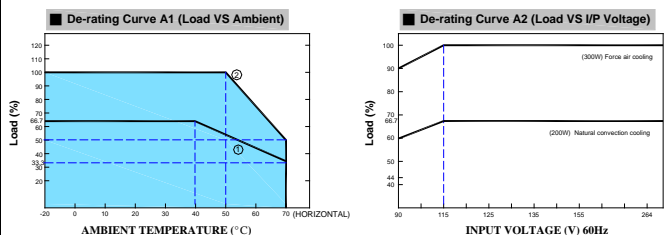
**V1=48V**

**Connector (CN4) :Optional(For Fan)**

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

Pin	Signal
1	F+
2	F-

**De-rating Curve**



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