

**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	4.9A/115Vac , 2.5A/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	
VOLTAGE	+30V
RATED LOAD(Convection)	0 ~ 6.67A
Max. LOAD(W/20CFM Airflow or Fan)	10A
RIPPLE & NOISE	360mV
REGULATION	±3%
Max. POWER	200W / 300W

PROTECTION SPECIFICATIONS	
OCP: ( Over Load Protection)	150 ~ 200%
OVP: ( Over Voltage Protection)	32 ~ 35V
OTP: ( Over Temp. Protection)	Shut down O/P voltage

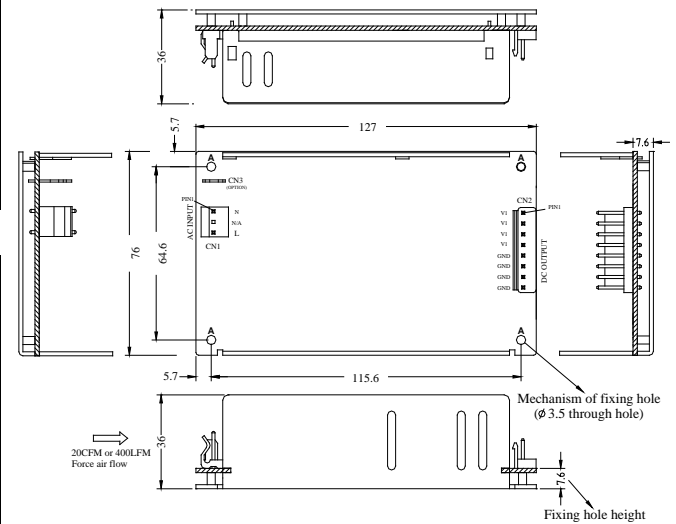
GENERAL SPECIFICATIONS	
HOLD UP TIME (Typ.)	≥ 16mS @ 115V
REMOTE CONTROL	N/A
DC OK SIGNAL	Led.
12Vaux For External Fan(Optional)	F11-NFW/o 12Vaux, F11-VFwith 12Vaux. @ 1A
COOLING	Convection/200W, 20CFM for 300W

SAFETY & ENVIRONMENTAL SPECIFICATIONS	
SAFETY APPROVALS REQUIRED :	UL , cUL , CE , FCC , CB
SAFETY STANDARDS	UL 60950-1 2nd , EN 60950-1
EMC EMISSION	EN55032(CISPR22) & FCC Class B.
OPERATING AMBIENT TEMP.	-40 ~ 85°C (note 1) (note 1: -40°C start up condition, o/p ≤ 200W)

**Typical Mechanical Drawing :**

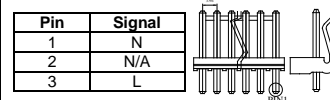
**WP213F11-36ADJ(Connector code→AD)**

Case dimension ( L\*W\*H ): 127\*76\*35 mm



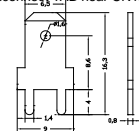
**Input Connector (CN1) :**

MOLEX 09-65-2038 (5273 SERIES) or equivalent  
 Mates with (MOLEX 5239) or equivalent



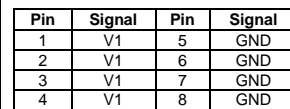
**Input Connector(CN3) : (Optional)**

Safety ground pin→Quick Disconnect TAB, 6.35[0.250] X 0.81[0.032] (Molex(19705-4301) or Equ.)  
 The safety ground connection is provided by the Quick Disconnect TAB near CN1.

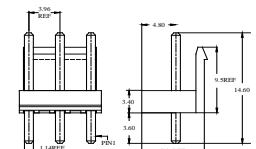


**Output Connector (CN2) –8PIN:**

JST B\*P-VH Series or TKP PVHI-XX Series or Equ.  
 Mates with JST VHR-\*N Series or TKP HVH-XX Series or Equ.

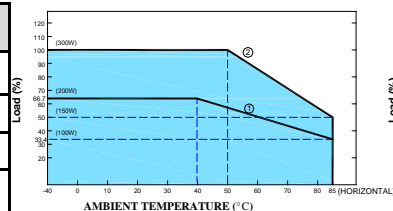


V1=30V

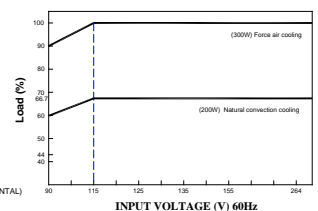


**De-rating Curve**

■ De-rating Curve A1 (Load VS Ambient)



■ De-rating Curve A2 (Load VS IP Voltage)



Note: ①Convection (Temperature derating) [-2.22W / degree 40°C to 85°C]  
 ② Fan air (400LFM) [-4.28W / degree 50°C to 85°C]