POWER SUPPLY

PS-CF-24V-1.1A

Features:

- Universal AC Input / Full range
- Protection : Short circuit / Over load / Over Voltage
- Cooling by free Air convection
- Fixed switching frequency at 132kHz
- 2 year warranty

Size: 127 x 89 x 39 (L x B x H mm)

Technical Specifications

Input Specifications

Input	
Voltage Range	85 ~ 265V AC
Frequency Range	47 ~ 63Hz
Efficiency(typ.)	80.00% AC
Current (typ.)	0.5A / 115V AC
	0.3A / 230V AC
Inrush Current (typ.)	Cold Start
	39A / 230V AC

Output Specifications

Output	
DC Voltage	24V
Rated Current	1.1A
Current Range	0 ~ 1.1A
Rated Power	26.4W
Ripple & Noise (max.) Note	75 mVp-p
Voltage Adj. Range	21.6 ~ 26.4V
Voltage Tolerance	±1%
Line Regulation	±0.5%
Load Regulation	±0.5%
Rise, Fall Time	50ms, 75ms / 115V AC & 230V AC At Full Load
Hold Up Time (typ.)	75ms /230V AC
	20 ms /115V AC At Full Load

Functional Specifications:

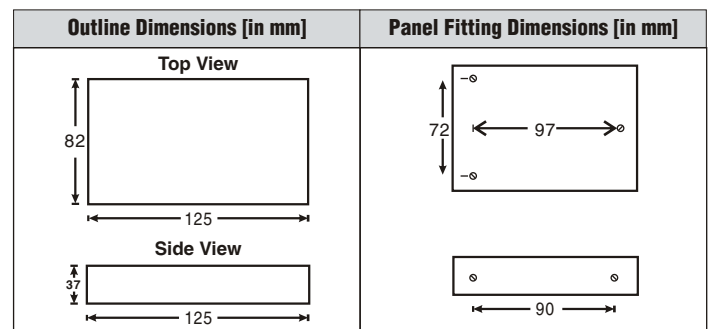| Protections	
Overload	105 ~ 150% Rated Output Power
	Protection Type : Hiccup Mode, Recovers Automatically After Fault Condition Is Removed.
Over Voltage	27.6 ~ 32.4V
	Protection Type : Hiccup Mode, Recovers Automatically After Fault Condition Is Removed.

Environmental Specifications

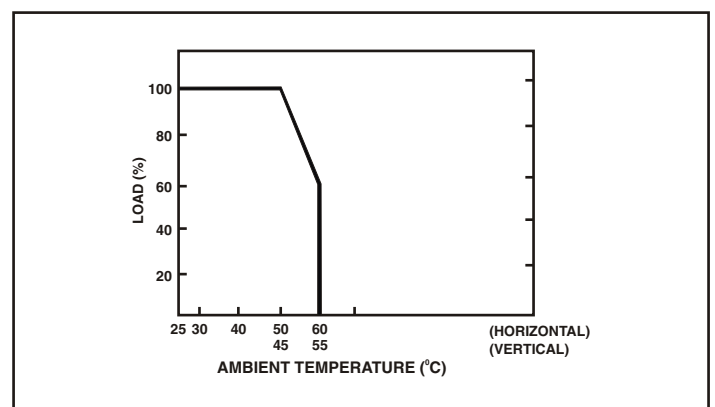| Environment	
Working Temp	+25 ~ +60°C (Refer To Output Load Derating Curve)

Note :

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 $\circ$C of ambient temperature.
2. Ripple & noise to be measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 µf & 47 µf parallel capacitor.
3. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
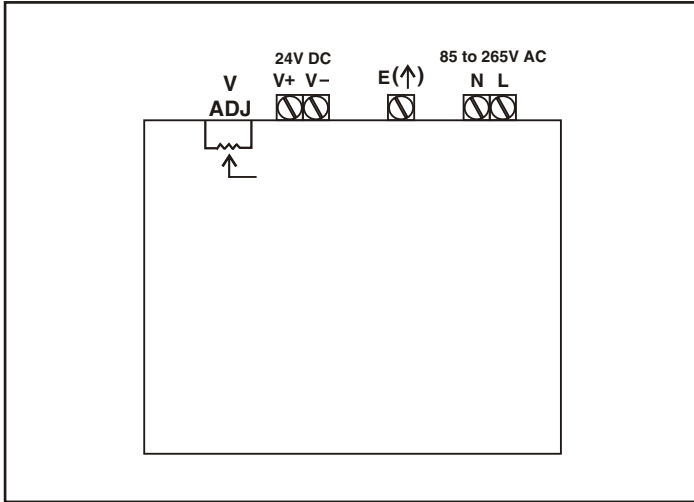
Dimensions (in mm)

Outline Dimensions [in mm]	Panel Fitting Dimensions [in mm]
Top View	
82 ... 125	72 ... 97
Side View	
37 ... 125	90

Derating Curve

LOAD (%) vs AMBIENT TEMPERATURE (°C)

100 / 80 / 60 / 40 / 20

25 30 40 45 50 55 60

(HORIZONTAL) (VERTICAL)

Terminal Connections

24V DC
V+ V−

V
ADJ

E(↑)

85 to 265V AC
N L

Ordering Information

Product	Order Code
PS - CF – 24V - 1.1A	PS - CF – 24V - 1.1A