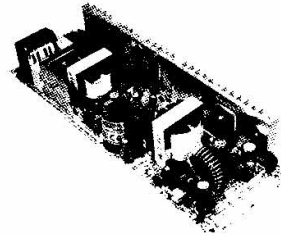


# LPP-150 Series Single Output Switching Power Supplies With PFC

## FEATURES

**Universal AC Input / full range**  
**PFC 0.98@115V; 0.96@230V**  
**Protections: Short circuit / OLP / OVP**  
**100% full load burn-in test**  
**Fixed switching frequency at 134KHz**  
**Approvals: UL/CUL/TUV/CE/CB**  
**3 years warranty**



## SPECIFICATIONS

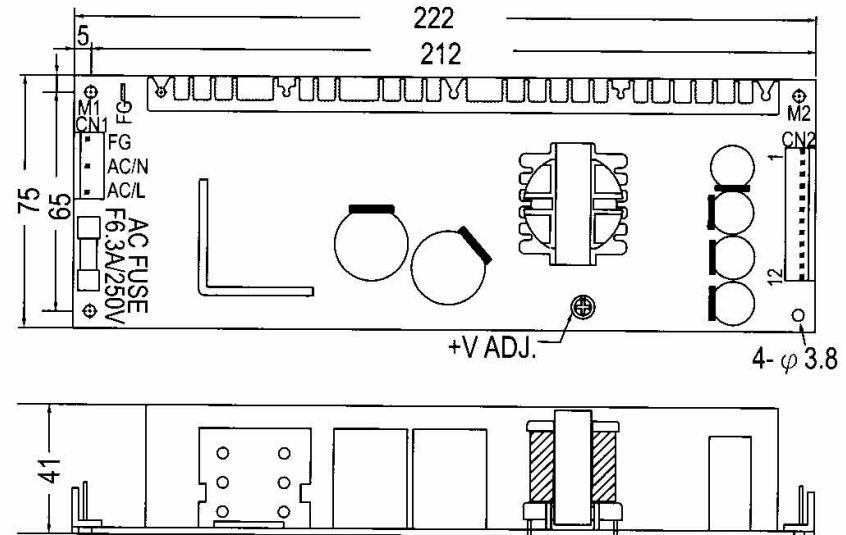
Input voltage.....85-264VAC, 120-370VDC  
 Inrush current.....cold start, 40A/230V  
 O.L.P. ....105~150% constant current limiting, auto recovery  
 O.V.P. ....110~135% rated output voltage  
 Setup, rise, hold up time.....600ms, 30ms, 20ms at full load  
 Withstand voltage.....I/P-O/P:3KV, I/P-FG:1.5KV, 1min.  
 Operating temp.....-10~60°C (refer to output derating curve)  
 Safety standard.....UL60950-1, TUV EN60950-1  
 EMC standard.....EN55022 CLASS B, EN61000-3-2,3,  
 EN61000-4-2,3,4,5,6,8,11; ENV50204  
 Connection.....5+6Px2/3.96mm pitch, JST B5P/B6Px2-VH  
 Packing.....0.62kgs; 24pcs/16.6kgs/1.39CUFT

## MODEL LIST



Model No.	Output	Tolerance	R&N	Eff.
LPP-150-3.3	3.3VDC/30A	± 2%	100mV	66%
LPP-150-5	5VDC/30A	± 2%	100mV	72%
LPP-150-7.5	7.5VDC/20A	± 2%	100mV	76%
LPP-150-12	12VDC/12.5A	± 2%	100mV	79%
LPP-150-13.5	13.5VDC/11.2A	± 2%	100mV	80%
LPP-150-15	15VDC/10A	± 2%	100mV	80%
LPP-150-24	24VDC/6.3A	± 1%	150mV	83%
LPP-150-27	27VDC/5.6A	± 1%	150mV	83%
LPP-150-48	48VDC/3.2A	± 1%	250mV	83%

## Mechanical Drawing: mm(Inch)

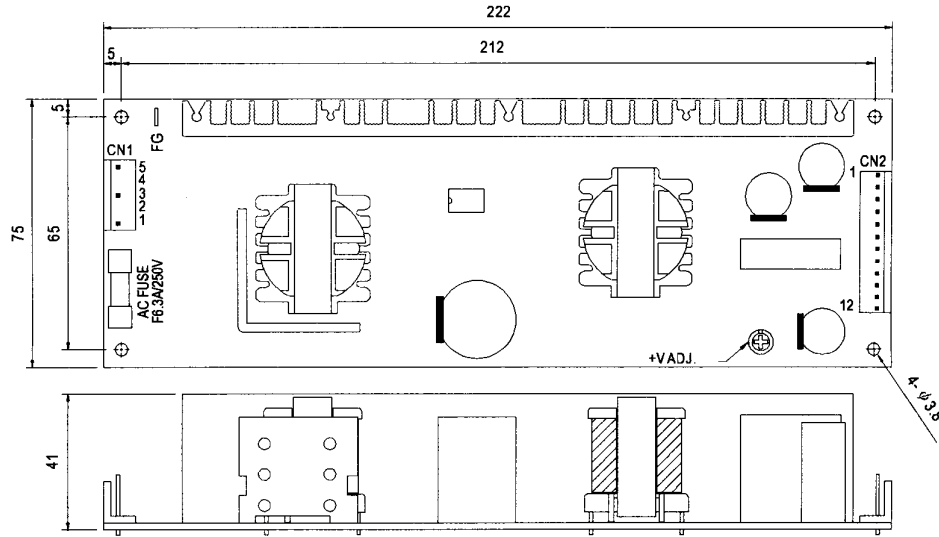


**Tumbler Technologies + TRUMPower**

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## Mechanical Specification

Unit:mm



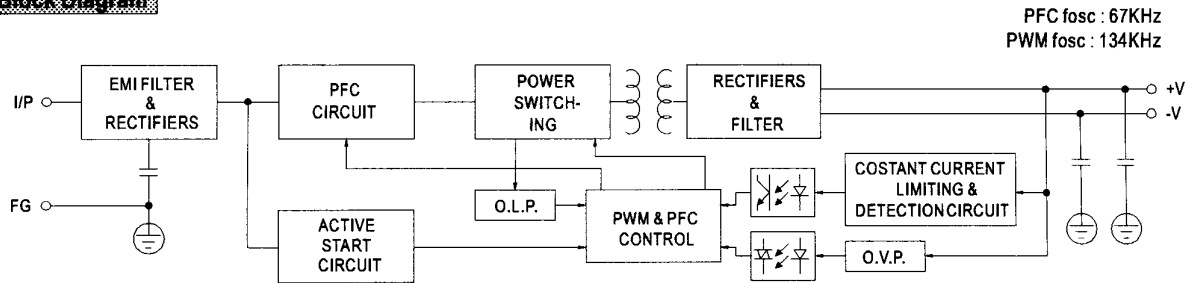
AC Input Connector (CN1) : JST B5P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/L	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2,4	No Pin		
3	AC/N		
5	FG		

DC Output Connector (CN2) : JST B6P-VH\*2 or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1-6	-V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
7-12	+V		

## Block Diagram



## Derating Curve

## Output Derating VS Input Voltage

