



**Features:**

- » AC input 88~264VAC up to 100W
- » AC input 110/220VAC selectable by switch for 150W and above
- » No Load on power consumption <1W
- » High operating temperature up to 70°C
- » High efficiency up to 90%
- » Protection characteristics:  
short circuit/overload/over voltage/over temperature
- » Cooling by free air convection up to 200W
- » Withstand 5G vibration test
- » 100% full load burn



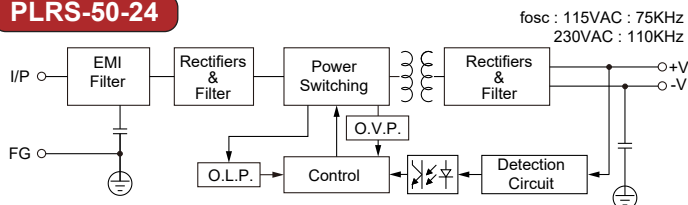
Model & Specification	PLRS-50-24	PLRS-75-24	PLRS-100-24	PLRS-150-24	PLRS-200-24	PLRS-350-24
DC output Volt, Current, Power	24V, 2.2Amp., 50W	24V, 3.2Amp., 75W	24V, 4.5Amp., 100W	24V, 6.5Amp., 150W	24V, 8.8Amp., 200W	24V, 14.6Amp., 350W
Efficiency	88%	90%	90%	89%	89.5%	88%
Dimension	104*82*30mm	104*97*30mm	134*97*30mm	164*97*30mm	215*115*30mm	215*115*30mm
Input Voltage	88~264VAC			110/220VAC ±20%		
Input Current	0.95A/115VAC 0.56A/230VAC	1.4A/115VAC 0.85A/230VAC	1.9A/115VAC 1.2A/230VAC	3A/115VAC 1.7A/230VAC	4.0A/115VAC 2.2A/230VAC	6.8A/115VAC 3.4A/230VAC
Voltage Adj. Range	21.6 ~ 28.8V					
Cooling	By free air convection cooling					Fan
Ripple and Noise <sup>1</sup>	150mVp-p			200mVp-p	150mVp-p	
Inrush Current (typ.)	45A/230VAC	65A/230VAC	50A/230VAC	60A/230VAC	60A/115/230VAC	
Over Load protection <sup>2</sup>	110%~150% rated output power			110%~140% rated output power		
Setup, Rise, Time at full load	1000ms, 30ms/230VAC 2000ms, 30ms/115VAC	500ms, 30ms/230VAC 500ms, 30ms/115VAC			1300ms, 50ms/230VAC 1300ms, 50ms/115VAC	
Load Regulation <sup>3</sup>	± 0.5%					± 1%
Withstand Voltage	I/P-O/P: 1.5kV I/P-FG: 1.5kV O/P-FG: 0.5kV					
Isolation Resistance	I/P-O/P I/P-FG O/P-FG: 500VDC/100MΩ					
Working Temp., Humidity	- 30°C ~ +50°C / 20~90% RH non-condensing					

**Note :**

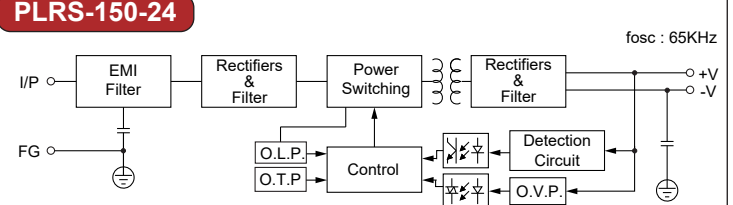
1. Ripple & noise are measured at 20MHz of bandwidth by using a 12°C twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
2. Protection type : Hiccup mode, recovers automatically after fault condition is removed.
3. Load regulation is measured from 0% to 100% rated load.
4. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

**Block Diagram**

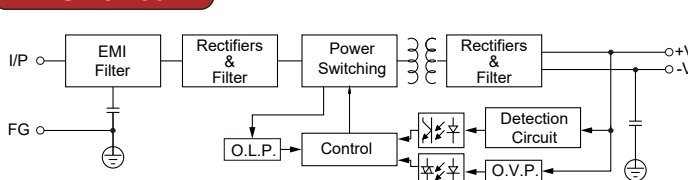
**PLRS-50-24**



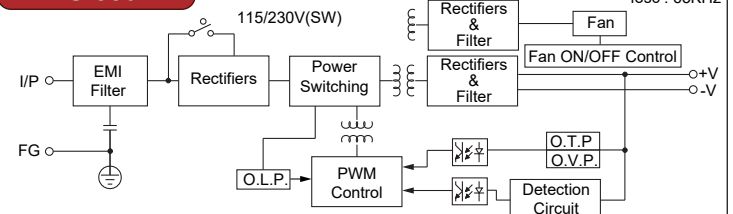
**PLRS-150-24**



**PLRS-75/100-24**



**PLRS-350-24**



All Dimension are in mm

The specifications are subject to change without prior notice

BTH PLRS-50-24 Version 1.0 BTH PLRS-100-24 Version 1.0 BTH PLRS-200-24 Version 1.0  
 BTH PLRS-75-24 Version 1.0 BTH PLRS-150-24 Version 1.0 BTH PLRS-350-24 Version 1.0