

PPSI 100W 24V Constant Voltage IP20

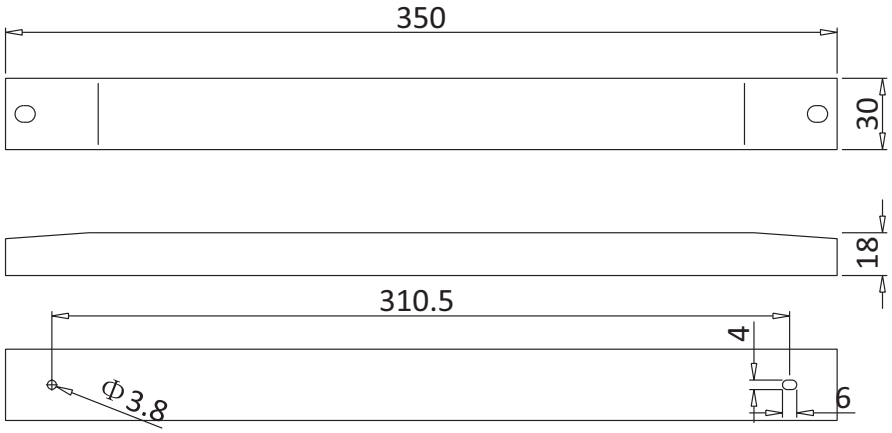


CE UKCA High Power Factor PF(λ)>0.95 SELV

Features

- High transfer efficiency & Power Factor
- High Power Factor (>0.95)
- Stable constant voltage output
- Super-thin design
- 100% full loading, 100% burn-in tested
- Overload/short circuit protection
- Warranty 5 years carry-in

DIMENSIONS



Connection	Terminal
Input Wire Cross Section	0.75mm^2-1.5 mm^2
Output Wire Cross Section	0.75mm^2-1.0 mm^2
Housing	Plastic, ABS

SPECIFICATION

AC Input	
Input Voltage	200-240V
Input Frequency	50/60Hz
Efficiency (Typ.)	>92%
Input Current	230V: 0.7A max.
Inrush Current	60A
THD	<7%
Leakage Current	5mA/220VAC

DC Output	
Output Voltage	24V
Rated Current	4.17A
Rated Power	100W
Ripple & Noise (max.)	<200mVp-p
setup, Rise Time	0.5S/230VAC
Line Regulation	1%
Load Regulation	2%

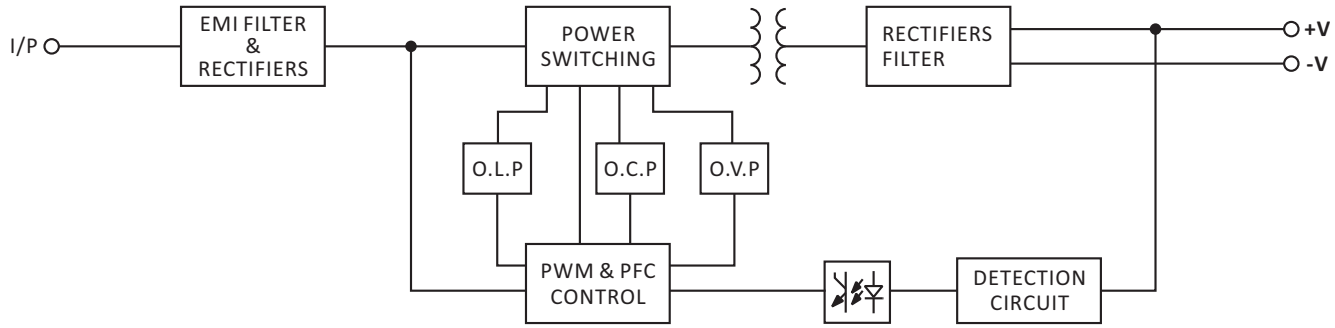
Service Environment	
Working Temp.	-25℃ ~50℃
Working Humidity	10 ~90%RH
Storage Temp	-40℃ ~80℃
Storage Humidity	10 ~90%RH
Protection Class	IP20

Protection	
Overload	Yes, Cut-off mode Output shuts down if over-loaded
Short Circuit	Yes , hiccup mode, recovers automatically after fault condition is removed

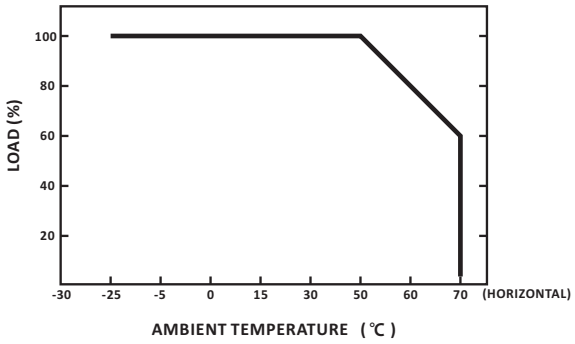
Safety	
Safety Standard	EN 61347-2-13
Withstand Voltage	I/P-O/P: 3000VAC/1min/<5mA
Isolation Resistance	I/P-O/P: >100M Ohms / 500VDC/25℃ / 70%RH

Standards			
EN 61347-2-13:2014+A1:2017	EN 62493:2015	EN 61000-3-2:2019+A1:2021	EN 55015:2019+A11:2020
EN 61347-1:2015+A1:2021	EN 61547: 2009	EN 61000-3-3:2013+A1:2019+A2:2021	EN 61547: 2009

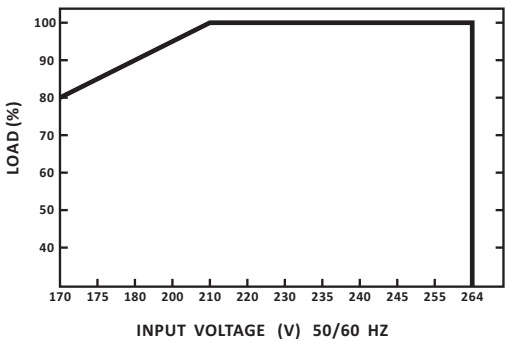
BLOCK DIAGRAM



DERATING CURVE



STATIC CHARACTERISTICS



PACKAGING

Item	Dimensions	product net weight	Total Qty (pcs / carton)	Total weight (kg)	Carton size (LxWxH) in mm
PPSI24100	350x30x18mm	225gr	35	8.5	450x240x200