


# PPI 100W 24V Constant Voltage IP20



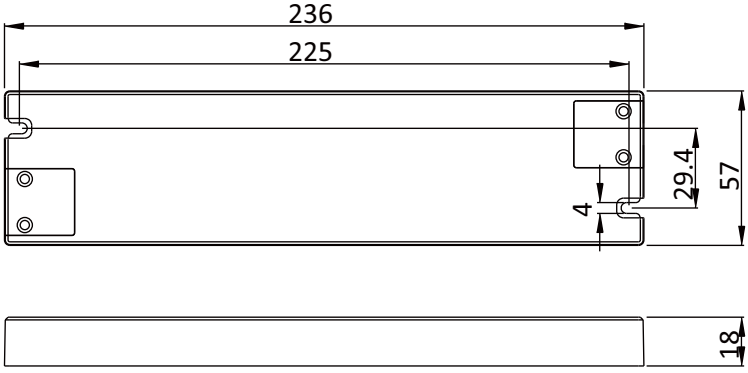
High Power Factor PF(λ)>0.9 SELV

## Features

- Plastic housing, Wide input range
- High transfer efficiency
- Super-thin: 18mm height
- High Power Factor: PF>0.95
- Terminal block connection
- 100% full loading, 100% burn-in tested
- Overload/ short circuit protection
- Warranty 5 years carry-in

## DIMENSIONS

Unit: mm




| | |
|---|---|
| Input | Terminal Connection |
| Output | Terminal Connection |
| Housing | Plastic<br>Polycarbonate (PC)<br>UL94 V-0 (B1) |

## SPECIFICATION

| AC Input | |
|---|---|
| Input Voltage | 100-250V |
| Input Frequency | 50/60Hz |
| Power Factor | >0.95 |
| Efficiency (Typ.) | >92% |
| Input Current | 230V: 0.5A max. |
| Inrush Current | 75A |
| Leakage Current | 5mA/220VAC |

| DC Output | |
|---|---|
| Output Voltage | 24V |
| Rated Current | 4.17A |
| Rated Power | 100W |
| Ripple & Noise (max.) | <150mVp-p |
| setup, Rise Time | 1500ms/220VAC |
| Line Regulation | 1% |
| Load Regulation | 1% |

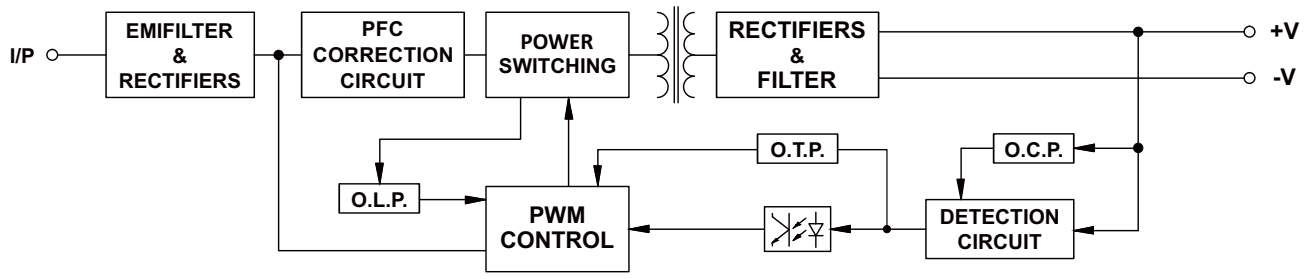
| Service Environment | |
|---|---|
| Working Temp. | -25°C ~70°C (DERATING FROM 50°C) |
| Working Humidity | 15 ~90%RH |
| Storage Temp | -40°C ~80°C |
| Storage Humidity | 15 ~95%RH |
| Protection Class | IP20 |

| Protection | |
|---|---|
| Overload | Yes, cut-off when loading exceeds 20-40% |
| Short Circuit | Yes , hiccup mode, recovers automatically after fault condition is removed |

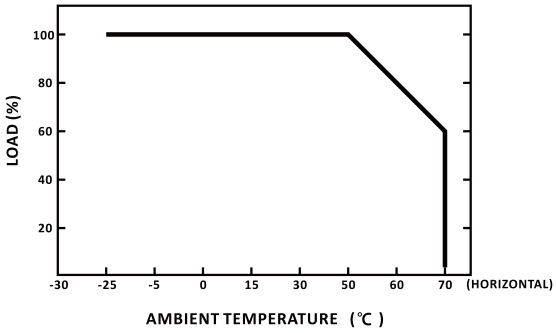
| Safety | |
|---|---|
| Safety Standard | EN 61347-2-13 |
| Withstand Voltage | I/P-O/P: 3.75KV AC; O/P-GND: 0.5KV AC |
| Isolation Resistance | I/P-O/P: >100M Ohms / 500VDC/25°C / 70%RH |

| 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 |

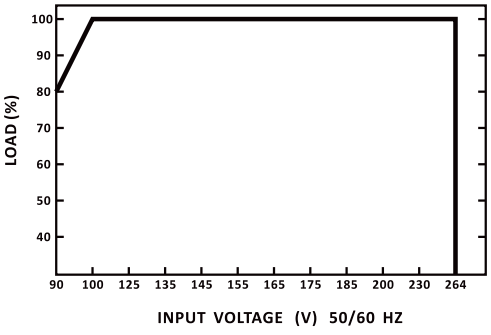
## BLOCK DIAGRAM




## DERATING CURVE




## STATIC CHARACTERISTICS




## PACKAGING

| Item | Dimensions | product net weight | Total Qty (pcs / carton) | Total weight (kg) | Carton size (LxWxH) in mm |
|---|---|---|---|---|---|
| PPI24100 | 236x57x18mm | 220gr | 60 | 16.5 | 515x290x215 |