

Features



DIMENSIONS: 100(H)*83(D)*49(W)mm
WEIGHTS: 370g

- Convection cooled
- 100% full load burn-in test
- Easy mounting (one-step installation)
- Separation of AC and DC, Excellent of Electromagnetic interference
- RoHS & EMI test and strictness on quality
- 2 year Warranty
- 300,000Hrs MTBF per MIL-HDBK-217F
- Split rail & Series connection possible
- Output modify range: 3V~200VDC

General specifications

INPUT

| | |
|------------------------|------------|
| Input range | 90~264VAC |
| Input frequency | 127~380VDC |
| Inrush current (25° C) | 47~440Hz |
| | 20A/110VAC |
| | 40A/220VAC |

OUTPUT

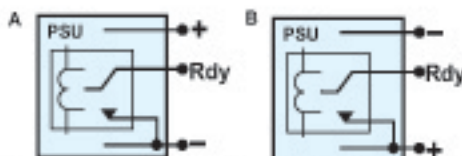
| | |
|-------------------------------|-------------------------|
| Hold-up time | 16mS |
| Short protection | Autorecovery |
| Overload protection | Automatic power limited |
| Over voltage protection | Optional |
| Power Ready Signal (Optional) | |
| Redundant function (Optional) | |

Detail specifications

45 Watts

| MODEL | O/P Volt Adj. ± % | Load(Current) ¹ | | | Ripple & Noise ⁴ | Line REG. ² | Load REG. ³ | Efficiency ⁵ | O.V.P. Trip point |
|-----------|-------------------|----------------------------|--------|--------|-----------------------------|------------------------|------------------------|-------------------------|-------------------|
| | | Min. | Rated | Max. | | | | | |
| PDR-5090A | V1: +5V ±10% | 0A | 9.0A | 9.0A | 50mVp-p | ±1% | ±1% | 69% Min. | 6 ~ 7.5V |
| PDR-1237A | V1: +12V ±10% | 0A | 3.75A | 3.75A | 100mVp-p | ±1% | ±1% | 70% Min. | 14 ~ 17V |
| PDR-2418A | V1: +24V ±10% | 0A | 1.875A | 1.875A | 150mVp-p | ±1% | ±1% | 75% Min. | 28 ~ 34V |
| PDR-4810A | V1: +48V ±10% | 0A | 1.0A | 1.0A | 300mVp-p | ±1% | ±1% | 77% Min. | 55 ~ 67V |

Rdy Connection



Please Choose Fit Function, And Fill In The Blank With Suitable Words.

Order Model: PDR-2418A
Optional Function:
 Terminal Block: "T" : PCB Barrier Terminal Block
 "E" : Mini Terminal Block

Without Function: "N"
 Power Ready Signal and Redundant

EMC Standards

EN55022 CLASS B
 EN61000-3-2, EN61000-3-3
 EN55024 (IEC61000-4-4,
 IEC 61000-4-3, IEC 61000-4-4,
 IEC 61000-4-5, IEC 61000-4-6,
 IEC 61000-4-8, IEC 61000-4-11)

Safety Standards

UL 60950 APPROVAL
 CSA 60950 APPROVAL
 CE Marking

Environments

Operating Temperature -15 ~ 50°C, Ambient
Operating Humidity 5 ~ 95% RH, No Condensing
Storage Temperature -20 ~ 85°C, Ambient
Vibration 2G, 10~500Hz, 3 axes

- NOTE:**
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 110VAC input. (Redundant function Sepr. 0.6V Add.)
 4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.
 5. Efficiency is measured at rated load and 110VAC input.
 6. Hold-up time is measured at rated load and 110VAC input.