



Patents held

Features



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

- Din Rail Mounting (optional bracket for chassis mounting)
- Convection cooled
- 100% full load burn-in test
- Excellent EMC Characteristics
- Wide Range Universal Input
- Removable Plug & Socket Style Terminals
- 2 year Warranty
- 300,000Hrs MTBF per MIL-HDBK-217F
- Split rail & Series connection possible
- Custom output voltages on request: 3V~200VDC

General specifications

INPUT

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

OUTPUT

Hold-up time 16mS
Short protection Autorecovery
Overload protection Automatic power limited
Over voltage protection Optional

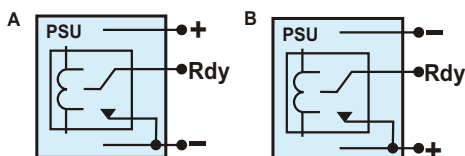
Power Ready Signal (Optional)
Redundant function (Optional)

Detailed 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.					
RP1045D-05F	V1: +5V ±10%	0A	9.0A	9.0A	50mVp-p	±1%	±1%	69% Min.	6 ~ 7.5V
RP1045D-12F	V1: +12V ±10%	0A	3.75A	3.75A	100mVp-p	±1%	±1%	70% Min.	14 ~ 17V
RP1045D-24F	V1: +24V ±10%	0A	1.875A	1.875A	150mVp-p	±1%	±1%	75% Min.	28 ~ 34V
RP1045D-48F	V1: +48V ±10%	0A	1.0A	1.0A	300mVp-p	±1%	±1%	77% Min.	55 ~ 67V

Rdy Connection



A: Rdy Internal Connection of T Type Terminal Block
B: Rdy Internal Connection of E Type Terminal Block

Please Select Functions:-

Fill in the blanks with appropriate letter

Order Code: RP1045D-24F

Optional Functions:

Terminal Block: "T" : Barrier Terminal Block

"E" : Removable Plug & Socket Terminals

Without Function: "N"

(Leave blank for redundant function + "Rdy" signal options)

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 EN 60950 Approval

Environments

Operating Temperature -15 to 50°C, Ambient
Operating Humidity 5 to 95% RH, Non Condensing
Storage Temperature -20 to 85°C, Ambient
Vibration 2G, 10 to 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 input voltage to high input voltage at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 110VAC input. (Redundant function Spec add 0.6V)
 4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel with the test point, at rated load and at 110VAC input.
 5. Efficiency is measured at rated load and at 110VAC input.
 6. Hold-up time is measured at rated load and at 110VAC input.

Reign Power reserve the right to modify specifications at any time without notice

PDS Design Solutions Ltd
Greenway Business Centre
Harlow Business Park
Harlow, Essex, CM19 5QE

Tel: 01279 406960
Fax: 01279 406961
Web: www.whatpowersupply.com
Email: sales@whatpowersupply.com

REIGNPOWER
S.M.P.S