AC → DC SWITCHING POWER SUPPLY

DN072F SERIES

All the patents are held accountable counterfeiting.

Features

LISTED E225775 52GB

E159228

DIMENSIONS:100(H)*110(D)*60(W)mm
WEIGHTS: 500g

- 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
- 280,000Hrs MTBF per MIL-HDBK-217F
- Split rail & Series connection possible
- Output modify range: 3V~200VDC

General specifications

INPUT

Input range	90~264VAC 127~380VDC
Input frequency	47~63Hz
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)

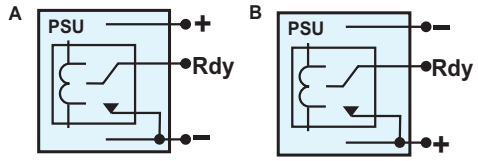
Redundant function (Optional)

Detail specifications

72 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.					
RP1072D-05F	V1: +5.1V ±10%	0A	14.4A	14.4A	70mVp-p	±1%	±2%	70% Min.	6.67 ~ 7.88V
RP1072D-12F	V1: +12V ±10%	0A	6.0A	6.0A	100mVp-p	±1%	±1%	73% Min.	17.1 ~ 18.9V
RP1072D-24F	V1: +24V ±10%	0A	3.0A	3.0A	150mVp-p	±1%	±1%	75% Min.	31.4 ~ 38.3V
RP1072D-28F 6	V1: +28V ±10%	0A	2.6A	2.6A	150mVp-p	±1%	±1%	75% Min.	32.2 ~ 36.4V
RP1072D-48F	V1: +48V ±10%	0A	1.5A	1.5A	250mVp-p	±1%	±1%	75% Min.	64.4 ~ 74.1V

Rdy Connection



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

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

Order Model:RP1072D-24F □ □

Optional Function:

Terminal Block: **"T"** : PCB Barrier Terminal Block
"E" : Mini Terminal Block

Without Function: "N"

Power Ready Signal and Redundant

EMC Standards

EN 55022 CLASS B
EN 61000-3-2,EN 61000-3-3
EN 55024(IEC 61000-4-2,
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

CUL	508	APPROVAL
UL/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 Sepc. 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. RP1072D-28F series will use the same front lable as “RP1072D-24F”, and add side lable as “28V”.
7. Hold-up time is measured at rated load and 110VAC input.
8. Reign Power reserve the right to change specifications at any time without notice.

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