

ACDC Series

350W Single Output Switching Power Supply

Description

AcDC Series is a 350W single-output type power supply with 30mm of low profile design. Adopting the input of 115VAC or 230VAC (selected by switch), the entire series provides an output voltage line of 24V and 48V.

OUTPUT	ACDC-24	ACDC-48
DC VOLTAGE	24V	48V
RATED CURRENT	14.6A	7.3A
CURRENT RANGE	0 ~ 14.6A	0 ~ 7.3A
RATED POWER	350.4W	350.4W
VOLTAGE ADJ. RANGE	150mVp-p	200mVp-p
VOLTAGE TOLERANCE Note.3	21.6 ~ 28.8V	43.2 ~ 52.8V
LINE REGULATION Note.4	± 1.0%	± 1.0%
LOAD REGULATION Note.5	± 0.5%	± 0.5%
SETUP, RISE TIME	± 0.5%	± 0.5%
HOLD UP TIME (Typ.)		

INPUT

VOLTAGE RANGE	90 ~ 132VAC/180 ~ 264VAC by switch	240 ~ 370VDC (switch on 230VAC)
FREQUENCY RANGE	47 ~ 63Hz	
EFFICIENCY (Typ.)	88%	89%
AC CURRENT (Typ.)	6.8A/115VAC	3.4A/230VAC
INRUSH CURRENT (Typ.)	60A/115VAC	60A/230VAC
LEAKAGE CURRENT	<2mA/240VAC	

Management and Control

OVER LOAD	110 ~ 140% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed
OVER VOLTAGE	28.8 ~ 33.6V 55.2 ~ 64.8V Protection type : Hiccup mode, recovers automatically after fault condition is removed
OVER TEMPERATURE	Hiccup mode, recovers automatically after fault condition is removed

FUNCTION

AN ON/OFF CONTROL (Typ.)	RTH3≥50 FAN ON, ≤40 FAN OFF
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ENVIRONMENT

WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")
WORKING HUMIDITY	20 ~ 90% RH non-condensing
STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH
TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min.

SAFETY

SAFETY STANDARDS	UL60950-1, BSMI CNS14336-1, EAC TP TC 004 approved
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC / 25°C / 70% RH
EMC EMISSION	Compliance to BSMI CNS13438, EAC TP TC 020
EMC IMMUNITY	Compliance to EAC TP TC 020

OTHERS

MTBF	327.9K hrs min. MIL-HDBK-217F (25°C)
DIMENSION	215*115*30mm (L*W*H)
PACKING	0.76Kg; 15pcs/12.4Kg/0.78CUFT

