

## Acadc **24/48**



**350W** Single  
output  
**24/48** v  
supply  
**1U** Low  
profile  
**5G** Vibration  
test

## 350W Single Output Switching Power Supply 24/48v

Acadc 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 range of 24V and 48V.

Delivering an extremely low no load power consumption (less than 0.75W), it allows the end system to easily meet the worldwide energy requirement. ACDC has the complete protection functions and 5G anti-vibration capability.

ACDC series serves as a high-price-to-performance power supply solution for various industrial applications.

In addition to the high efficiency up to 89%, with the built-in long life fan ACDC can work under -25~+70°C with full load.

It is complied with the international safety regulations such as UL60950-1.

# Power Supply Module

Management and Control	ACDC - 24	ACDC-48
Over Load	110 ~ 140% rated output power Protection type: Hiccup mode, 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	ACDC - 24	ACDC-48
AN ON/OFF CONTROL	RTH $\geq 50$ FAN ON $\leq 4.0$ FAN OFF	

Environmental	ACDC - 24	ACDC-48
Working Temperature	-25 ~ +70°C (Refer to "Derating Curve")	
Working Humidity	20 ~ 90% RH non-condensing	
Storage temperature Humidity	-40 ~ +85°C. 10 95% RH	
Temperature Coefficient	$\pm 0.03\%/C^\circ$ (0 ~ 50°C)	
Vibration	10 ~ 500Hz, 5G 10min./1cycle, 60min.	

Mechanical Specification	ACDC - 24	ACDC-48
Mtbf	327.9K hrs min. MIL-HDBK-217F (25°)	
Dimension	215 x 115 x 30 mm	
Packing	0,76kg; 15pcs/12,4kg/0,78CUFT	

Compliance & Warranty	ACDC - 24	ACDC-48
Safety	3UL609550-1, 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, WAC TP TC 020	
Emc Immunity	Compliance to EAC TP TC 020	

Output	ACDC - 24	ACDC-48
DC Voltage	24v	48V
Rated Current	14.6A	7.3A
Current Range	a014.6A	0-7.3A
Rated Power	2 x Shilded RJ45 Jacks (LAN / PoE + Data)	
Voltage ADJ. Range	150m Vp-p	200mVp-p
Voltage Tolerance	21.6 - 28.8V	43.2 - 52.8V
Line Regulation Note.4	$\pm 1.0\%$	$\pm 1.0\%$
Load Regulation Note.5	$\pm 0.5\%$	$\pm 0.5\%$

Input	ACDC - 24	ACDC-48
Voltage Range	90 - 132VAC/180 - 264VAC by switch 240 - 370VDC (switch on 320VAC)	
Frequency Range	47 - 63 Hz	
Efficiency (Typ.)	88/89%	
Ac Current	6.8A/115VAC 3.4A/230VAC	
Inrush Current (Typ.)	60A/115VAC 60A/230VAC	
Leakage Current	<2mA/240VAC	