

# 12V DC Wall Mounted Power Supplies



## Features

- LED voltage display
- Battery backup
- Mains fail and low battery contacts
- Lockable front door
- Internal GPO recess
- Short circuit & overload protection
- Cooling by free air convection
- Individually fused outputs
- LED indicators on all outputs



**Power Supplies**



## Specifications

Model		W-DC12-4A	W-DC12-8A	W-DC12-12A	W-DC12-24A
Output	DC Voltage	12V			
	Rated Current	4.2A	8.5A	12.5A	25A
	Terminals	9	16 (with user replaceable fuses)	16	32
	Options	16 or 32 way terminal PCB	32 way terminal PCB	32 way terminal PCB	-
	Indication	9 x LED	16 x LED	16 x LED	32 x LED
	Overload	Fused and electronic			
	Current Range	0 - 4.2A	0 - 8.5A	0 - 12.5A	0 - 25A
	Ripple & Noise (max.)	120mVp-p			150mVp-p
	Voltage Range	10.8 - 13.2V	11.4 - 13.2V	11.4 - 13.5V	10 - 13.2V
	Voltage Tolerance	±1.0%			
	Setup, Rise time	500ms, 30ms/230VAC	500ms, 20ms/230VAC	800ms, 20ms/230VAC	800ms, 50ms/230VAC
	Hold Time (Typ.)	50ms/230VAC	30ms/230VAC	24ms/230VAC	16ms/230VAC
Input	Voltage Range	80 - 264VAC	85 - 264VAC	90 - 264VAC	88 - 264VAC
	Protection	2A slow blow fuse	3A slow blow fuse	4A slow blow fuse	5A slow blow fuse
	Input Switch	Rocker Switch			
	Frequency Range	47 - 63Hz			
	Efficiency(Typ.)	82%	83%	83%	86%
	AC Current (Typ.)	1.1A	1.2A	2A	2.5A
Electronic Protection	Overload	110 - 150% rated output power			105-135% rated output power
	Protection Type	Hiccup mode, recovers automatically after fault condition is removed			
	Over Voltage	13.8 - 16.2V			
	Protection Type	Hiccup mode, recovers automatically after fault condition is removed			Shut down o/p voltage, re-power on to recover
Environment	Working Temp.	-20 - 60°C			
	Working Humidity	20 - 90% non-condensing			
	Storage Temp., Humidity	-40 - 85°C, 10 - 95%			
	Temp. Coefficient	±0.03%/°C @ 0 - 45°C			
	Vibration	10 ~ 500Hz, 2G 10min./1cycle, period for 60min.			
Safety & EMC	Safety Standards	UL60950-1, CB(IEC 60950-1) Approved		UL60950-1, TUV EN60950-1 Approved	
	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC			
	EMI Conduction & Radiation	Compliance to EN55022 (CISPR22) Class B			
	Harmonic Current	Compliance to EN61000-3-2,-3			
	EMS Immunity	Compliance to EN61000-4-2, 3,4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1 Light industry level, Heavy industry level, Light industry level, criteria A			
Others	MTBF	374 000 hrs	320 000 hrs	433 000 hrs	207 000 hrs
	Dimensions (HxDxW)	92 x 362 x 235mm			120 x 435 x 345mm
	Weight	3.2KG	3.4KG	3.6KG	6.5KG

Specifications subject to change without prior notice.