## 12V DC-Rack Mounted Power Supplies





## **Features**

- · Compact 1RU power supply
- Fused input
- · Illuminated input switch
- · Individually fused outputs
- · LED indicators on all outputs





## **Specifications**

DC Voltage			Model	DC12-4A	DC12-8A	DC12-12A
Terminals		DC Voltage		12V		
Indication			Rated Current	4.2A	8.5A	12.5A
Output			Terminals	· ·	8 (with user replaceable fuses)	
Output			Indication	4 x LED	8 x LED	12 x LED
Ripple & Noise (max.)			Overload		Fused and electronic	
Voltage Range		Output	Current Range	0 - 4.2A	0 - 8.5A	0 - 12.5A
Voltage Tolerance			Ripple & Noise (max.)	120mVp-p		
Setup, Rise time			Voltage Range	10.8 - 13.2V	11.4 - 13.2V	11.4 - 13.5V
Hold Time (Typ.)   50ms/230VAC   30ms/230VAC   24ms/230VAC			Voltage Tolerance	±1.0%		
Input			Setup, Rise time	500ms, 30ms/230VAC	500ms, 20ms/230VAC	800ms, 20ms/230VAC
Input			Hold Time (Typ.)	50ms/230VAC	30ms/230VAC	24ms/230VAC
Frequency Range		Input	Voltage Range	80 - 264VAC	85 - 264VAC	90 - 264VAC
Efficiency(Typ.)   82%   83%   83%   83%   AC Current (Typ.)   1.1A   1.2A   2A   2A   2A   2A   2A   2A   2A			Indication	LED and Switch		
AC Current (Typ.)			Frequency Range	47 - 63Hz		
Overload   110 - 150% rated output power   13.8 - 16.2V			Efficiency(Typ.)	82%	83%	83%
Cover Voltage			AC Current (Typ.)	1.1A	1.2A	2A
Protection   Input Fuse			Overload	110 - 150% rated output power		
Input Fuse   (user replaceable)   (user replaceable)   (user replaceable)			Over Voltage	13.8 - 16.2V		
Working Temp.			Input Fuse			
Environment   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 Standards   UL60950-1, CB(IEC 60950-1)   Approved   UL60950-1     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, C     Harmonic Current   Compliance to EN61000-4-2, 3,4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1     Light industry level, criteria A   Compliance to EN61000-6-1     Light industry level, criteria A   433 000 hours     Others   Dimensions (HxDxW)   45(1RU) x 200 x 480mm			Protection Type	Hiccup mode, recovers automatically after fault condition is removed		
Storage Temp., Humidity		Environment	Working Temp.	-20 - 60°C		
Temp. Coefficient ±0.03%/°C @ 0 - 45°C  Vibration 10 ~ 500Hz, 2G 10min./1cycle, period for 60min.  Safety Standards UL60950-1, CB(IEC 60950-1) Approved UL60950-1, TUV EN60950-1  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, C  Harmonic Current Compliance to EN61000-3-2,-3  Compliance to EN61000-4-2, 3,4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1 Light industry level, criteria A  MTBF 374 000 hours 320 000 hours 433 000 hours  Others Dimensions (HxDxW) 45(1RU) x 200 x 480mm			Working Humidity	20 - 90% non-condensing		
Vibration			Storage Temp., Humidity	-40 - 85°C, 10 - 95%		
Safety Standards			Temp. Coefficient	±0.03%/°C @ 0 - 45°C		
Safety & EMC  Withstand Voltage  I/P-O/P:3KVAC  I/P-FG: 1.5KVAC  I/P-FG: 0.5KVAC  I/P-FG: 0.5KVAC  I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC  EMI Conduction & Radiation  Compliance to EN55022 (CISPR22) Class B, C  Harmonic Current  Compliance to EN61000-3-2,-3  Compliance to EN61000-4-2, 3,4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1 Light industry level, criteria A  MTBF  374 000 hours  320 000 hours  433 000 hours  Others  Dimensions (HxDxW)  45(1RU) x 200 x 480mm			Vibration	10 ~ 500Hz, 2G 10min./1cycle, period for 60min.		
Isolation Resistance		Safety & EMC	Safety Standards	UL60950-1, CB(IEC 60950-1) Approved UL60950-1, TUV EN60950-1		
Isolation Resistance  I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC  EMI Conduction & Radiation  Compliance to EN55022 (CISPR22) Class B, C  Harmonic Current  Compliance to EN61000-3-2,-3  Compliance to EN61000-4-2, 3,4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1 Light industry level, criteria A  MTBF  374 000 hours  320 000 hours  433 000 hours  Others  Dimensions (HxDxW)  45(1RU) x 200 x 480mm			Withstand Voltage	I/P-O/P:3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC		
Harmonic Current   Compliance to EN61000-3-2,-3			Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC		
Compliance to EN61000-4-2, 3,4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1 Light industry level, criteria A  MTBF  374 000 hours  320 000 hours  433 000 hours  Others  Others  Compliance to EN61000-4-2, 3,4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1 heavy industry level, criteria A  433 000 hours  433 000 hours			EMI Conduction & Radiation	Compliance to EN55022 (CISPR22) Class B, C		
EMS Immunity  ENV50204, EN55024, EN61000-6-1  Light industry level, criteria A  MTBF  374 000 hours  3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-1  heavy industry level, criteria A  433 000 hours  Others  Dimensions (HxDxW)  45(1RU) x 200 x 480mm			Harmonic Current	Compliance to EN61000-3-2,-3		
Others Dimensions (HxDxW) 45(1RU) x 200 x 480mm		EMS Immunity		ENV50204, EN55024, EN61000-6-1		3,4, 5, 6, 8,11, ENV50204, EN55024, EN61000-6-1
			MTBF	374 000 hours	320 000 hours	433 000 hours
Weight 2.3KG 2.6KG 2.9KG		Others	Dimensions (HxDxW)	45(1RU) x 200 x 480mm		
			Weight	2.3KG	2.6KG	2.9KG