

4 output 300W Power supply



Specifications:

OUTPUT SPECIFICATION	Condition / remark	V1	V2	V3	V4
Output voltage	Setting within 0.2%	5V	+12,03V	-12,03V	5,53V
Voltage regulation window	Line, load, cross reg.	1%	1%	1%	1%
Temperature coefficient		< 0.02%/°C	< 0.02%/°C	< 0.02%/°C	< 0.02%/°C
Remote sense	Compensation/cable	0...5%	No	No	No
Output voltage rise time	At 10...90% load	> 5ms	> 5ms	> 5ms	> 5ms
Overvoltage protection		5.5...6V	No	No	No
Output current		0,8...20A	0...6A (load difference V2,V3 < 1A)		0...8.5A
Startup current	Minimum value	28A	8.8A	8.8A	8.8A
Current limit		28...32A	8.8...10A	8.8...10A	8.8...10A
Ripple and noise	BW = 20Mhz	100mVpp	120mVpp	120mVpp	120mVpp
DC fail signal (PF)	Level: TTL	An early warning signal will go low when the AC input fails, the output will stay within 95% of nominal level for at least 14msec. As long as this critical condition is not met PF stays high. Floating contact or CE-optocoupler output.			
Outputs startup sequence		V1 and V4 startup synchronous; V2 and V3 startup synchronous			
Total output power	All outputs loaded	275W			
Output to frame	Test voltage 50Vdc	Outputs have separated GND; V2 and V3 have common GND			
INPUT SPECIFICATION					
Input voltage	40...400Hz	88V...264Vac			
Efficiency	At 230Vac at 250W	Typ. 90%			
Inrush current max.	At 230Vac, cold start	< 15A			
Power Factor	Nom. load; 230Vac	> 0.95			
Isolation to outputs	1 minute	3250Vac (EN61010 inst. Cat. II, Pollution degree I)			
Fuse	Internally	4AT			
Holdup time	115/230Vac, Pnom	> 20ms			
Leakage current	At 240Vac, 50Hz	< 1 mA			
GENERAL SPECIFICATION					
Weight	Approx.	2.3 Kg			
Maximum dimensions	L x W x H in mm	425 x 60 x 112			
AC-input connection		1 x IEC320 inlet with fuse and switch			
Output connections		Cable assembly with terminals and plug (see drawing)			
Colour / finishing		Blank chromated aluminium			
Cooling		9 CFM filtered forced air			
Protections	Auto restart	Overtemperature, Overcurrent, Output reverse polarity			
Reliability (MIL-HDBK-217F)	At 35 °C, GB	MTBF > 450000 hrs			
Lifetime	At 35 °C ambient	> 100000 hrs			
AQL		0% (zero defects on delivery)			
ENVIRONMENTAL SPECIFICATION					
EMC	Acc. CE-mark	Emission: EN61000-6-3, EN55011B, EN61000-3-2, EN61000-3-3 Immunity: EN61000-6-2, EN61000-4-2, 3, 4			
Safety	Acc. CE-mark	EN61010-1:2001			
Operating temperature	No derating	0...+50°C			
Storage temperature		-20...+85°C			
Rate of change in temp.		< 5 °C/min.			
Relative humidity	40 degr. C	5...95% max.; non condensing			
Air velocity		< 30m/s			
Air pressure		30kPa...110kPa			
Shock		IEC68-2-27 test Ea			
Vibration		IEC68-2-6 test Fc			