



EXTERNAL POWER SUPPLY UNITS

basic datasheet, rev 2.0

Date: 15.7.2018

Model	ST520PSU	AMIPSU		Nuovo	
		Basic	Forte	Amiga	CD32
Target systems	Atari 16/32bits 130ST, 260ST, 520ST	Amiga 500(+), 600, 1200(HD)	Amiga 500(+), 600, 1200(HD), incl. accelerated w. 030+ CPUs	Amiga 500(+), 600, 1200(HD), incl. accelerated w. 030+ CPUs	Amiga CD32, incl. accelerated with 030+ CPUs
Combined output power	28W		50W	50W rated (55W peak)	
Output per rail (max) +5V	2,5A		4,0A	4,0A (4,4A peak)	
+12V	1,0A		2,0A	2,0A	
-12V	0,3A		0,5A	0,5A	
Efficiency	80 %		84 %	77 %	
LED power-on indicator	yes			yes	
AC power switch	no			yes	
AC input	C14 IEC socket			C14 IEC socket	
AC input cable	optional (EU, IT, UK versions available on demand)				
DC output	circular 7 pin DIN/270°, female	rectangular 5pin DIN, Amiga proprietary, male			circular 4 pin DIN/180°, male
Length of output cable	90cm +/- 5cm			120cm +/- 5cm	
Dimensions (LxWxH)	107*67*36mm		146*75.5*43mm	135*90*45mm	
AC input voltage range	90~264V AC				
AC inrush current (max.)	Cold start, 60A at 230V AC	Cold start, 40A at 230VAC			
Overload protection	Hiccup mode, auto recovery				
Over voltage protection	110%~140% of +5V output			115%~135% of 5V output	
Setup, rise, hold up time	200ms, 50ms, 16ms at full load				
Ripple and noise	100mV max, 60mV typ.		150mV max, 50mV typ.	80mV max	
Withstand voltage	I/P-O/P:3kVAC, I/P-FG:1.5kVAC, 1 minute			I/P-O/P: 4kVAC, I/P-FG:2kVAC	
Working temperature	from -20°C to +70°C			from -30°C to +70°C	
Safety standards	UL1950 (P25/50), UL60950-1, TUV EN60950-1 approved				
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,11, FCC part15 class B				