



# EXTERNAL PSU datasheet

rev 3.0

Updated on: 15.10.2019

Model	STS20PSU		AMIPSU (EOL) **		Nuovo (EOL) **		Nuovo LC	
	Atari 16/32bits		Basic	Forte	Amiga	CD32	Amiga	CD32
Target systems	130ST, 260ST, 520ST		Amiga	Amiga	Amiga	Amiga	Amiga	Amiga
	500(+), 600, 1200(HD)		500(+), 600, 1200(HD), incl. accelerated w. 030+ CPUs	500(+), 600, 1200(HD), incl. accelerated w. 030+ CPUs	500(+), 600, 1200(HD), incl. accelerated w. 030+ CPUs	CD32, incl. accelerated with 030+ CPUs	500(+), 600, 1200(HD), incl. accelerated with up to 060 CPUs	CD32, incl. accelerated with up to 060 CPUs
Combined output power	28W		50W	50W rated (55W peak)		50W rated (55W peak)		
Output per rail (max)	+5V	2,5A	4,0A	4,0A (4,4A peak)		4,0A (4,4A peak)		
	+12V	1,0A	2,0A	2,0A		2,0A		
	-12V	0,3A	0,5A	0,5A		0,5A		
Efficiency	80 %		84 %	77 %		77 %		
LED power-on indicator	yes		yes		no		yes	
AC power switch	no		yes		yes		yes	
AC input	C14 IEC socket			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	rectangular 5pin DIN, Amiga proprietary, male	circular 4 pin DIN/180°, male	
Length of output cable	90cm +/- 5cm			120cm +/- 5cm		75cm +/- 5cm		
Dimensions (LxWxH)	107*67*36mm		146*75.5*43mm		135*90*45mm		136*61*38mm	
Enclosure color	black	black	black	black	black	black	Amiga white	black
Enclosure material	ABS	ABS	ABS	ABS, HPET	ABS, HPET	ABS, HPET	ABS+ or ASA (*)	ABS+ or ASA (*)
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		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		I/P-O/P: 4kVAC, I/P-FG:2kVAC	
Working temperature	from -20°C to +70°C				from -30°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							

Notes:

- \* Material used is subject of availability
- \*\* End of life product. Information kept here is for reference only