

Nemko EESI, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 Phone (858) 793-9911 Fax (858) 259-7170		
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12/20/99	Solectek Corporation SkyWay Wireless LAN Bridge Power Supply Specifications	99-244	KA324WAN5	1



SSL40 SERIES

Single output



- 4.21 x 1.77 x 0.98 inch enclosure
- 40W external power supply
- Molded UL94V-0 plastic enclosure
- Output connector options
- Stand alone 'listed' equipment
- Overvoltage and short circuit protection
- EN55022, EN55011, FCC conducted and radiated emissions level B
- UL, CSA and VDE safety approvals

The SSL40 series is a 40W universal input AC/DC external power supply in a 4.21 x 1.77 x 0.98 inch plastic enclosure. The SSL40 is a low cost series with six single output models in a very small package providing a pre-approved external power solution for a host of worldwide low power portable and desktop applications. The SSL40 provides 40W of output power with free air convection cooling. Standard features include universal input, overvoltage, short circuit protection and EN55022 conducted emissions level B. The series, with full international safety approval and the CE mark, provides pre-approved SELV outputs without the need for further safety approval or mechanical integration into the application system. The SSL40 series is designed for use in low power, portable and desktop data networking, computer and industrial applications requiring low cost external power adapters in a small package.

[2 YEAR WARRANTY]

CE (LVD & EMC) (Pending)

SPECIFICATION All specifications are typical at nominal input, full load at 25°C unless otherwise stated

Line regulation	Single output	±0.5%
Total regulation	See Note 3	±2.0%
Overshoot/Undershoot	At turn on	1.0%
Transient response	Main output 50% to 100% load step	±5.0% max. dev., 1ms recovery to 1.0%
Temperature coefficient		±0.02%/°C, max.
Overvoltage protection		See table
Output power limit		135% to 175% of max. output power
Short circuit protection		Indefinite with auto-restart
Input Specifications		
Input voltage range		90 to 264VAC
Input frequency range		47Hz to 440Hz
Input current	90VAC 220VAC	1.00Arms max. 0.52Arms max.
Emissions		
Radiated emissions	EN55022/11, FCC part 15	Level B
Conducted emissions	EN55022/11, FCC part 15	Level B

Hold-up time	110VAC @ 40W 230VAC @ 40W	5ms 45ms
Efficiency	110VAC @ 40W	83% typical
Isolation voltage	Input/output	3000VAC
Switching frequency	Fixed	100kHz ±10kHz
Approvals and standards	Safety	VDE0805, EN60950 IEC950, UL1950 CSA C22.2 No. 950
Case Material	General Electric Lexan, black	
Flammability rated	UL94V-0	
Weight	200g (7.06oz)	
MTBF	MIL-HDBK-217F	150,000 hours min.
Thermal performance		
	Operating temperature full load, no derating	0°C to +40°C
	Non-operating	-40°C to +85°C
	0°C to +40°C ambient, convection cooled	Full load
	Peak	See Note 1
Relative humidity	Non-condensing	5% to 95% RH
Altitude	Operating Non-operating	10,000 feet max. 30,000 feet max.
Vibration	5Hz to 500Hz See Note 6	2.4G rms
Shock	per MIL-STD-810E	516.4 Part IV

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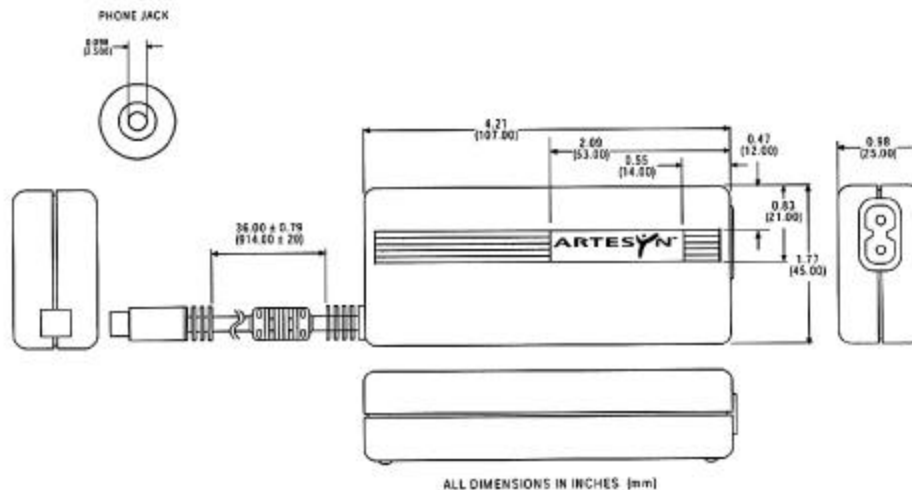
40 Watt AC/DC external power supplies

+12V	0A	3.0A	3.5A	250mV	15V to 18V	±2.0%	SSL40-7612
+14V	0A	2.7A	3.2A	250mV	16.5V to 19.5V	±2.0%	SSL40-7614
+15V	0A	2.6A	3.0A	250mV	17.5V to 21.0V	±2.0%	SSL40-7615
+18V	0A	2.2A	2.6A	250mV	22.0V to 25.5V	±2.0%	SSL40-7618
+24V	0A	1.6A	1.9A	250mV	29.0V to 34.2V	±2.0%	SSL40-7624
+48V	0A	0.83A	1.0A	250mV	55.0V to 64.0V	±2.0%	SSL40-7617

Notes

- 1 Peak output current lasting less than 60 seconds with duty cycle less than 5.0%. During peak loading, output voltage may exceed total regulation limits.
- 2 20MHz bandwidth, peak to peak, measured using a 12 inch twisted pair terminated with a 47µF electrolytic capacitor.
- 3 Total regulation is defined as the static output regulation at 25°C, including initial tolerance, line voltage within stated limits, load currents within stated limits, and output voltages adjusted to their factory settings.
- 4 To maintain user-system safety approvals, the input power cable must be appropriately rated and approved.
- 5 Output voltage protected by Zener diode.
- 6 Three orthogonal axes random vibration, 10 minute test for each axis.
- 7 IEC320/C8 type input connector.
- 8 Other output connectors are available, please contact your local distributor or Artesyn Technologies for details.

Inner	V _A	SWITCHCRAFT Power
Outer	Return	Jack, P/N 712A or equiv.



International Safety Standard Approvals

- VDE0805/EN60950/IEC950 File No. pending
- UL1950 File No. E138005
- CSA C22.2 No. 950 File No. LR41062
- Certification pending

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DESKTOP UNIVERSAL INPUTSWITCHING POWER SUPPLY

GENERAL SPECIFICATIONS

<i>Input voltage</i>	100VAC to 250VAC	<i>Output</i>	
<i>Input frequency</i>	47 Hz to 63 Hz	<i>Line Regulation</i>	
<i>Inrush current</i>	15A at 115VAC 30A at 230VAC	<i>All output</i>	±3%
<i>Operating temperature</i>	0°C to 40°C	<i>Load Regulation</i>	
<i>Storage temperature</i>	-30°C to +75°C	<i>Output #1</i>	±5%
<i>Temperature coefficient</i>	±0.02%/°C	<i>Output #2</i>	±5%
<i>Efficiency</i>	72% min.	<i>Output #3</i>	±10%
<i>Cooling</i>	Free air convection	<i>Ripple & Noise, 20 Mhz BW</i>	
<i>Hold up time</i>	20mS	<i>All output</i>	1% max.
<i>Overvoltage protection</i>	At main rated output +15%	<i>EMI</i>	Meets FCC 15 class "B"
<i>Overcurrent protection</i>	Hiccup at 150% load		VDE 0871 class "B"
<i>Safety standard</i>	UL 1012/1950 CSA C22.2 NO 950/14020 VDE EN60950	<i>EMC</i>	EN 55014/55104
		<i>MTBF</i>	50,000 hours

SINGLE OUTPUT *UL/CSA/TUV/CE (Re MITI approval please consult factory)*

PRODUCT NO.	OUTPUT	SIZE (WxLxH)
PS-3030A (9W)	+3.0V @ 3.0A	62.4x104.4x32.0
PS-5015A (15W)	+5.0V @ 1.5A	40.0x81.0x36.5
PS-5024A (12W)	+5.0V @ 2.4A	--
PS-5038A (19W)	+5.0V @ 3.8A	--
PS-5050A (25W)	+5.0V @ 5.0A	70.0x111.0x38.0
PS-6525A (17W)	+6.5V @ 2.5A	62.4x104.4x32.0
PS-6045A (27W)	+6.0V @ 4.5A	70.0x111.0x38.0
PS-7025A (18W)	+7.0V @ 2.5A	62.4x104.4x32.0
PS-8037A (30W)	+8.0V @ 3.7A	70.0x111.0x38.0
PS-9020A (18W)	+9.0V @ 2.0A	62.4x104.4x32.0
PS-9047A (43W)	+9.0V @ 4.7A	--
PS-1030A (30W)	+10.0V @ 3.0A	70.0x111.0x38.0
PS-1212A (15W)	+12.0V @ 1.2A	--
PS-1215A (18W)	+12.0V @ 1.5A	62.4x104.4x32.0
PS-1225A (30W)	+12.0V @ 2.5A	70.0x111.0x38.0
PS-1236A (43W)	+12.0V @ 3.6A	--
PS-1313A (18W)	+13.5V @ 1.3A	62.4x104.4x32.0
PS-1323A (30W)	+13.5V @ 2.3A	70.0x111.0x38.0
PS-1332A (42W)	+13.5V @ 3.2A	--
PS-1512A (18W)	+15.0V @ 1.2A	62.4x104.4x32.0
PS-1520A (30W)	+15.0V @ 2.0A	70.0x111.0x38.0

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PS-1520A (30W)	+15.0V @ 2.0A	70.0x111.0x38.0
PS-1527A (41W)	+15.0V @ 2.7A	--
PS-1626A (42W)	+16.7V @ 2.6A	--
PS-1717A (29W)	+17.5V @ 1.7A	70.0x111.0x38.0
PS-1817A (31W)	+18.0V @ 1.7A	70.0x111.0x38.0
PS-1824A (43W)	+18.0V @ 2.4A	--
PS-2015A (30W)	+20.0V @ 1.5A	70.0x111.0x38.0
PS-2214A (31W)	+22.0V @ 1.4A	70.0x111.0x38.0
PS-2220A (44W)	+22.0V @ 2.0A	--
PS-2470 (17W)	+24.0V @ 0.7A	62.4x104.4x32.0
PS-2415A (36W)	+24.0V @ 1.5A	70.0x111.0x38.0
PS-2418A (43W)	+24.0V @ 1.8A	--
PS-2422A (53W)	+24.0V @ 2.2A	84.5x154.4x50.0
PS-3290 (29W)	+32.0V @ 0.9A	70.0x111.0x38.0
PS-3680 (29W)	+36.0V @ 0.8A	70.0x111.0x38.0
PS-4810A (48W)	+48.0V @ 1.0A	--

DUAL OUTPUT UL/CSA/TUV/CE (Re *MITI* approval please consult factory)

PRODUCT NO.	OUTPUT #1	OUTPUT #2	SIZE (WxLxH)
PS-201	+3.3V@4A	+12V@1A	--
PS-202 (25W)	+5.0V @ 2.5A	+12.0V @ 1.0A	--
PS-203 (15W)	+5.0V @ 1.5A	+15.0V @ 0.6A	62.4x104.4x32.0
PS-204 (17W)	+5.0V @ 1.0A	+24.0V @ 0.5A	62.4x104.4x32.0
PS-205 (17W)	+15.0V @ 0.8A	-15.0V @ 0.3A	62.4x104.4x32.0
PS-206 (10W)	+5.0V @ 1.5A	-5.0V @ 0.5A	62.4x104.4x32.0
PS-208 (24W)	+12.0V @ 1.0A	+24.0V @ 0.5A	--
PS-209 (13W)	+5.0V @ 2.5A	+9.0V @ 1.0A	--

TRIPLE OUTPUT UL/CSA/TUV/CE (Re *MITI* approval please consult factory)

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PRODUCT NO.	OUTPUT VOLTAGE	LOAD MIN.	LOAD RATED	LOAD MAX	RIPPLE & NOISE P-P MAX.	REGULATION +/-
PS-303-2	+ 5.0V	0.6A	3.0A	5.0A	50mV	5%
	+12.0V	0.3A	2.0A	2.0A	100mV	10%
	-12.0V	----	0.3A	0.5A	100mV	10%
PS-304	+ 5.0V	0.5A	3.0A	6.8A	50mV	5%
	- 5.0V	----	0.3A	----	50mV	5%
	+12.0V	0.5A	2.0A	4.0A	120mV	10%
PS-305	+ 5.0V	0.5A	4.0A	8.0A	50mV	5%
	- 5.0V	----	0.3A	----	50mV	5%
	+15.0V	0.4A	1.0A	2.5A	150mV	10%
PS-306	+ 5.0V	0.5A	3.0A	6.0A	50mV	5%
	+15.0V	0.4A	1.6A	3.0A	150mV	10%
	-15.0V	----	0.3A	----	150mV	10%
PS-307	+ 5.0V	0.5A	4.0A	8.0A	50mV	5%
	-12.0V	----	0.3A	----	120mV	10%
	+15.0V	0.4A	1.0A	2.5A	150mV	10%
PS-308B	+ 5.0V	0.3A	2.0A	3.0A	80mV	5%
	+12.0V	0.3A	1.5A	2.0A	120mV	10%
	-12.0V	----	0.3A	0.5A	120mV	10%
PS-309	+ 5.0V	0.6A	3.0A	----	50mV	5%
	+24.0V	0.2A	1.0A	2.0A	240mV	10%
	-12.0V	----	0.3A	----	120mV	10%

Specification Subject to Change Without Notice.



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