

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

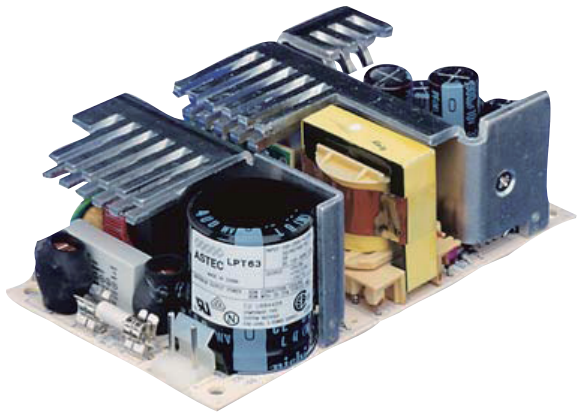
POWER

LPT60 Series

60 Watts

Data Sheet

Total Power: 60 - 80 Watts
Input Voltage: 85 - 264 Vac
120 - 300 Vdc
# of Outputs: Triple



SPECIAL FEATURES

- Universal input
- 3" x 5" footprint
- Remote sense on main output
- Built-in EMI filter
- Low output ripple
- Adjustable main output
- Overvoltage protection
- Overload protection
- 110 KHz switching frequency
- LPX60 enclosure kit available
- RoHS compliant

SAFETY

- UL: 60950
  E132002
- cUL : 60950
  LR53982C
- NEMKO: EN 60950/EMKO-TUE
  P95100123 (74-sec) 203
- CB: Certificate and report
  1518, 1519, 1520
- CE: Mark (LVD)

Electrical Specifications

Input	
Input range	85 - 264 Vac 120 - 300 Vdc
Frequency	47 - 440 Hz
Inrush current	<18 A peak @ 115 Vac; <36 A peak @ 230 Vac, cold start @ 25 °C
Input current	1.5 A max. (RMS) @ 115 Vac
Efficiency	70% typical at full load (60% for LPT61)
EMI	FCC Class B conducted; CISPR 22 Class B conducted EN55022 Class B conducted; VDE 0878 PT3 Class B conducted
Safety ground leakage current	<0.5 mA @ 50/60 Hz, 264 Vac input
Output	
Maximum power	60 W for convection (LPT61, 35 W); 80 W with 30CFW forced air (LPT61, 55 W)
Cross regulation	±2% on output 1; ±5% on outputs 2, 3
Adjustment range	-5, +10% minimum
Hold-up time	20 ms @ 40 W load, 115 Vac nominal line
Overload protection	Short circuit protection on all outputs. Case overload protected @ 110% to 145% above peak rating
Overvoltage protection	5.7 to 6.7 Vdc on the main output LPT41: 3.6 to 4.6 Vdc
Remote sense	Compensates for 0.5 V lead drop min. Will operate without remote sense connected. Reverse connection protected.

ARTESYN™
EMBEDDED TECHNOLOGIES

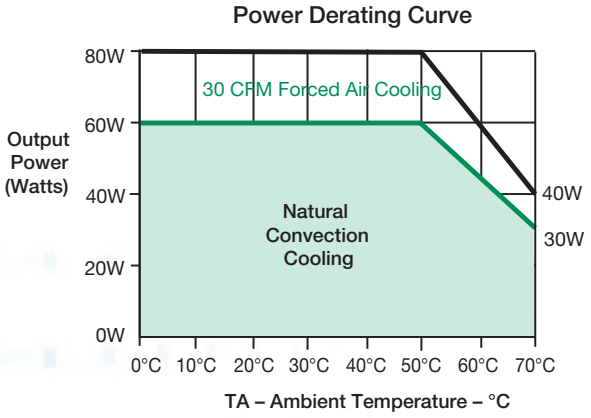
Environmental Specifications

Operating temperature	0 °C to 50 °C ambient derate each output at 2.5% per degree from 50 to 70 °C, -20 °C startup
Electromagnetic susceptibility	Designed to meet IEC 801, -2, -3, -4, -5, -6, Level 3
Humidity	Operating; non-condensing 5% to 95%
Vibration	Three orthogonal axes, sweep at 1 oct/min, 5 min. dwell at four major resonances 0.75G peak 5 Hz to 500 Hz, operational
Storage temperature	-40 °C to 85 °C
Temperature coefficient	±.04% per °C
MTBF demonstrated	>550,000 hours at full load and 25 °C ambient conditions

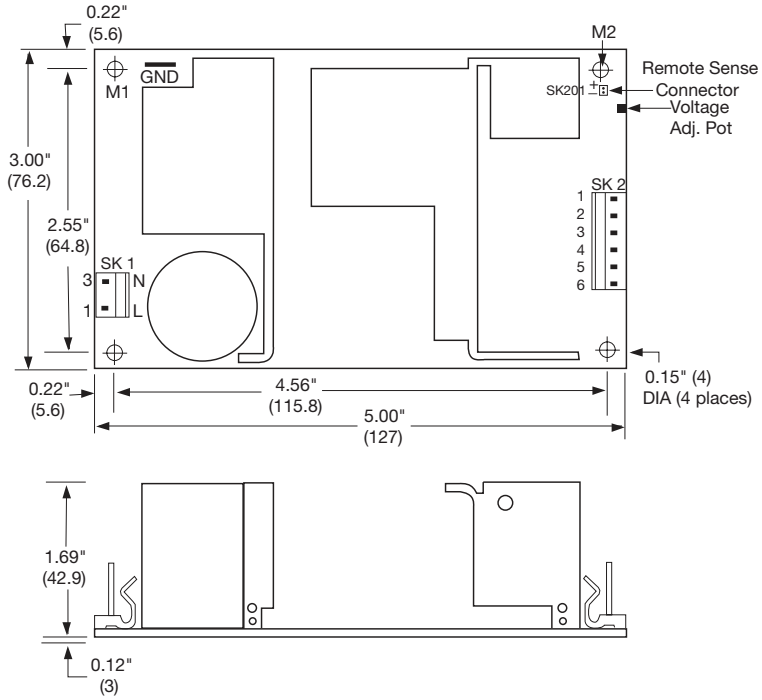
Ordering Information

Model Number	Output Voltage	Minimum Load	Maximum Load with Convection Cooling	Maximum Load with 30CFM Forced Air	Peak Load[1]	Regulation[2]	Ripple P/P (PARD)[3]
LPT61	+3.3 V +5 V +12 V	0.7 A 0 A 0 A	5 A 2.5 A 0.5 A	8.5 A 3.0 A 1.0 A	9.5 A 3.3 A 1 A	±2% ±2% ±5%	50 mV 50 mV 120 mV
LPT62	+5 V +12 V -12 V	0.7 A 0.3 A 0 A	7 A 3 A 0.7 A	8 A 3.5 A 1 A	10 A 6 A 1.5 A	±2% ±5% ±5%	50 mV 120 mV 120 mV
LPT63	+5 V +15 V -15 V	0.7 A 0.3 A 0 A	7 A 2.8 A 0.7 A	8 A 3.3 A 1 A	10 A 4 A 1.5 A	±2% ±5% ±5%	50 mV 150 mV 150 mV
LPT64	+5 V +12 V -5 V	0.7 A 0.3 A 0 A	7 A 3 A 0.7 A	8 A 3.5 A 1 A	10 A 6 A 1.5 A	±2% ±5% ±5%	50 mV 120 mV 50 mV
LPT65	+5 V +24 V +12 V	0.7 A 0.1 A 0 A	7 A 1.5 A 0.7 A	8 A 2.0 A 1 A	10 A 3 A 1.5 A	±2% ±7% ±5%	50 mV 240 mV 120 mV

1. Peak current lasting <30 seconds with a maximum 10% duty cycle.
2. At 25°C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
3. Peak-to-peak with 20 MHz bandwidth and 10 µF in parallel with a 0.1 µF capacitor at rated line voltage and load ranges.
4. Minimum Loads are required.
5. This product is a Component Power Supply and is only for inclusion by professional installers within other equipment and must not be operated as a standalone product. EMC compliance to appropriate standards must be verified at the system level. This product is for sale to OEMs and System Integrators, including through Distribution Channels. It is not intended for sale to End Users.



Mechanical Drawing



Pin Assignments

Connector	LPT61	LPT62	LPT63	LPT64	LPT65
SK1-1	Line	Line	Line	Line	Line
SK1-3	Neutral	Neutral	Neutral	Neutral	Neutral
SK2-1	5V	+12V	+15V	+12V	+24V
SK2-2	3.3V	+5V	+5V	+5V	+5V
SK2-3	3.3V	+5V	+5V	+5V	+5V
SK2-4	Common	Common	Common	Common	Common
SK2-5	Common	Common	Common	Common	Common
SK2-6	+12V	-12V	-15V	-5V	+12V
SK201-1	+Sense	+Sense	+Sense	+Sense	+Sense
SK201-2	-Sense	-Sense	-Sense	-Sense	-Sense

Mating Connectors

AC Input	Molex 09-50-8031 (USA) 09-93-0300(UK) PINS: 08-58-0111
DC Outputs	Molex 09-50-8061 (USA) 09-93-0600 (UK) PINS: 08-52-0113
Remote Sense	Molex 22-01-2025 PINS: 08-52-0113
Astec Connector Kit #70-841-006, includes all of the above	

1. Specifications subject to change without notice.
2. All dimensions in inches (mm), tolerance is ±0.02" (±0.5mm)
3. Mounting holes M1 and M2 should be grounded for EMI purposes.
4. Mounting hole M1 is safety ground connection.
5. Specifications are for convection rating at factory settings at 115 Vac input, 25 °C unless otherwise stated.
6. Warranty: 2 year
7. Weight: 0.75lbs/0.34kg

WORLDWIDE OFFICES

Americas
2900 S.Diablo Way
Tempe, AZ 85282
USA
+1 888 412 7832

Europe (UK)
Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX
United Kingdom
+44 (0) 1384 842 211

Asia (HK)
14/F, Lu Plaza
2 Wing Yip Street
Kwun Tong, Kowloon
Hong Kong
+852 2176 3333

ARTESYN™
EMBEDDED TECHNOLOGIES

www.artesyn.com

Artesyn Embedded Technologies, Artesyn and the Artesyn Embedded Technologies logo are trademarks and service marks of Artesyn Embedded Technologies, Inc. All other names and logos referred to are trade names, trademarks, or registered trademarks of their respective owners. © 2016 Artesyn Embedded Technologies, Inc. All rights reserved. For full legal terms and conditions, please visit www.artesyn.com/legal.

For more information: **www.artesyn.com/power**
For support: **productsupport.ep@artesyn.com**

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP