



- ✓ internal power
- ✓ external power
- ✓ global design teams
- ✓ localized support
- ✓ custom capabilities



**We Know Power *Inside and Out.***

***www.slpower.com***



SL Power Electronics Corp is a subsidiary of SL Industries, Inc. (SLI), an AMEX and PHLX listed corporation. SL Power Electronics is a global manufacturer and marketer of AC/DC and DC/DC power supplies from 6 watts to more than 6000 watts. The Company develops, manufactures and markets two product brands:



Leading the development of medical power supplies for more than 25 years, the Condor name is a recognized brand for a broad range of internal, open-frame AC/DC and DC/DC switch-mode and linear power supplies. The Condor brand has broad appeal for a variety of markets including industrial, data communications and telecommunications. Condor products include a broad breadth of standard models as well as the opportunity to modify current power supplies or design 100% custom to meet specific customer requirements.



For more than 45 years, the Ault name has been the premier brand for external power supplies. The brand represents the most robust line available in external power from 6 watts to 180 watts. The product line includes its top selling switch-mode power supplies that are available in desktop or wall mount models, linear power supplies, transformers, battery chargers and mobile adapters. Ault products are sold across a range of electronic market segments including medical, data communications and Power over Ethernet, computer/computer peripherals and industrial.

SL Power Electronics has more than 700 employees in five sales & engineering offices on three continents – North America, Europe and Asia. The headquarters for SL Power Electronics are in California with manufacturing locations in Mexico and China. SL Power Electronics ranks number one in providing medical OEMs with solutions that meet even the most stringent power requirements. Our standard products range from as low as 6 watts to as high as 6,000 watts with engineering expertise to modify existing designs or develop complete custom solutions.

SL Power Electronics is more than a leader in the design of commercial and medical power supplies; we are committed to staying in the forefront of environmental initiatives and technological advances that impact our customers' success. There are currently two initiatives of interest to existing and prospective customers:



As an ENERGY STAR partner, SL Power Electronics offers a line of external switch-mode power supplies from 10 to 60 watts for commercial and medical applications that comply with European Union, US Environmental Protection Agency (EPA), and California Energy Commission (CEC) standards that include minimum efficiency levels in active mode and low energy consumption in no-load/stand-by mode.

SL Power Electronics, under the Ault brand name, was one of the first power supply companies in North America to be named an ENERGY STAR partner in 2005. Today, we have one of the most complete, energy-wise offerings of external power supplies.

**RoHS** – the RoHS directive stands for “the restriction of the use of certain hazardous substances in electrical and electronic equipment” (Directive 2002/95/EC). The directive banned the placement of new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury and other flame-retardants on the EU market in certain sectors, and became effective on July 1, 2006. Some market sectors such as medical equipment do however currently have exemption from this directive.

The most popular product families within each of the Condor and Ault brands, where required, are fully compliant. Check with your SL Power Electronics representative for specific product compliance queries.

#### About SL Industries

SL Industries, Inc., through its four subsidiaries, designs, manufactures and markets power electronics, power motion and power protection equipment that are used in a variety of medical, aerospace, computer, datacom, industrial, telecom, transportation and utility applications. SL Industries' products are sold primarily to Original Equipment Manufacturers (OEMs) to increase operating safety, reliability and efficiency.

For more information on SL Industries and its subsidiaries, please visit

[www.slindustries.com](http://www.slindustries.com)

[www.slpower.com](http://www.slpower.com)



## Power conversion products for OEMs in the global electronics marketplace

The frontrunners of Ault's external product offering are the switch-mode power supplies. This product category is the most popular due to wide range input, compact size and design versatility inherent in the switch-mode design.

In addition, the Ault brand includes a line of transformers, linear power supplies, DC mobile adapters for portable applications and battery chargers for lead acid, NiCad, NiMH and lithium ion topologies.

Listed below is a representative sampling of the external switch-mode power supplies available for medical applications. Check out [www.slpower.com](http://www.slpower.com) for more external power supplies for the medical market. If you don't find a standard power supply, keep in mind our global engineering expertise and the opportunity to develop modified or 100% custom solutions to meet even the most stringent requirements.

## NEW PRODUCTS FROM THE AULT LINE



### Interchangeable Blade Power Supplies

SL Power has introduced commercial and medical variants of the MW/PW170 and 172 series of products. All models have wide range input and capable of output power 6 to 19W, with output voltages ranging from 3 to 48Vdc. All models meet the requirements of the Energy Star programme.



### MW172

Available in desktop and wall plug-in configurations, the MW172 series meets medical safety approvals and new efficiency and energy wise guidelines set forth by the California Energy Commission (CEC). The series is 10-19 watts with models available from 3V to 24V in single output. Wall plug-in configurations include North America/Japan, Euro and UK.



### MW116

The MW116 is a 60-90 watt series available in desktop models from 5V to 48V. This power range is ideal for many of today's top medical applications including monitors, LCD displays, blood analyzers and oxygen concentrators.



### Power over Ethernet Products

Power over Ethernet is designed to supply DC power to devices on the network infrastructure via existing CAT5 Ethernet cabling. SL Power is a market leader in POE power products with an ever expanding range of power supplies and line splitters meeting the requirements of IEEE 802.3AF.

# AULT PRODUCT SELECTOR

## Medical Switchmode

	o/p's	Max W	i/p range	Desk-top	Wall-mount	OUTPUT CURRENT MAX CONTINUOUS													
						3V	3.3V	5V	6V	7V	8V	9V	12V	13.5V	15V	16V	18V	24V	48V
MW117	1	12	100-240Vac	YES	YES		2A	2A		1.43A		1.1A	0.85A		0.7A		0.6A	0.45A	
MW128	1	32	100-240Vac	YES	YES		4A	4A		3.5A		3A	2.5A		2A		1.67A	1.33A	
MW125	1	40	100-240Vac	YES	YES	5A		5A		4.5A		4A	3A		2.5A		2.1A	1.67A	0.84A
MW160	1	48	100-240Vac	YES		5A		5A		5A		4.6A	3.5A		3A	2.8A	2.5A	2A	
MW136	1	60	100-250Vac	YES	YES								5A		4A		3.33A	2.5A	
MW116	1	90	100-240Vac	YES				12A	10A			7.8A	6.67A	6.15A	6A	5.6A	5A	3.75A	1.87A
MW132	1	101	100-240Vac	YES									8.15A		6.5A			4.21A	
MW122	1	120	100-240Vac	YES									10A					5A	
MW201	2	22.5	100-250Vac	YES															0.8A
MW301	2	22.5	100-259Vac	YES					3A										0.6/0.2A



MW170	1	15	100-250Vac	YES	YES		2A	2A				1.15A	1.25A		1.0A				0.63A
MW172	1	19	100-240Vac	YES	YES	3.34A		3A				2A	1.5A		1.2A		1A		0.75A
MW173	1	32	100-250Vac	YES	YES		4A	4A		3.5A		3A	2.5A		2A		1.67A	1.33A	
MW152	1	50	100-240Vac	YES				6A*				5A*	4.2A		3.33A		2.8A	2.0A	
MW174	1	60	100-240Vac	YES									5A				3.33A	2.5A	

\* Do not fully meet requirements on Energy Star

## Commercial Switchmode

	o/p's	Max W	i/p range	Desk-top	Wall-mount	OUTPUT CURRENT MAX CONTINUOUS													
						3V	3.3V	5V	6V	7V	8V	9V	12V	13.5V	15V	16V	18V	24V	36V
PW117	1	12	100-240Vac	YES	YES	2A		2A			1.28A	1.1A	0.85A		0.7A		0.6A	0.45A	0.25A
PW118	1	19	100-250Vac	YES	YES	3.34A		3A				2A	1.5A		1.2A		1A	0.75A	0.4A
PW128	1	32	100-250Vac	YES	YES		4A	4A	4A	3.5A		3A	2.5A		2A		1.67A	1.33A	0.84A
PW125	1	40	100-250Vac	YES	YES		5A	5A		4.5A		4A	3.4A		2.5A		2.1A	1.67A	0.84A
PW160	1	48	100-250Vac	YES		5A		5A		5A		4.6A	3.5A		3A	2.8A	2.5A	2A	1A
PW130RA	1	20	100-250Vac	YES															0.42A
PW130RB	1	15.4	100-250Vac	YES															0.35A
PW136	1	60	100-250Vac	YES	YES	7A	6A		5.5A		5.5A	5A		4A		3.33A	2.5A		1.25A
PW116	1	90	100-250Vac	YES				12A	10A			7.8A	6.67A	6.15A	6A	5.6A	5A	3.75A	1.87A
PW132	1	101	100-240Vac	YES									8.15A		6.5A			4.21A	2.08A
PW122	1	120	100-240Vac	YES									10A					5A	2.5A
SW201	2	25	100-250Vac	YES				4A					1A						
PW300	3	50	100-250Vac	YES				5A					4/0.5A						
SW301	3	25	100-250Vac	YES				4A					1/0.6A						
SC300	3	25	100-250Vac	YES				4A					1/0.6A						
SC303	3	11	100-250Vac	YES				1A					0.25/0.25A						



	Max W	i/p range	Desk-top	Wall-mount	OUTPUT CURRENT MAX CONTINUOUS														
					3.3V	5V	6V	7V	8V	9V	12V	13.5V	15V	16V	18V	24V	33V	48V	
PW170 ITE	10-15W	100-250Vac	YES	YES	2A	2A					1.5A	1.25A		1A				0.63A	0.31A
PW148 ITE	15-19.2	100-250Vac	YES			3A					2A	1.5A		1.2A		1A		0.75A	0.4A
PW149 ITE	10-12	100-250Vac	YES								1.3A	1A		0.8A		0.67A	0.5A	0.36A	0.25A
PW152	48-50	100-250Vac	YES				6A*				5A*	4.2A		3.33A		2.8A	2A		1A*
PW173	27-32	100-250Vac	YES	YES	4A*	4A*					3A	2.5A		2A		1.67A	1.33A		0.67A
PW174	60-64.8	100-250Vac	YES				8A*				6A*	5A		4A		3.3A	2.7A		1.35A*

\* Do not fully meet requirements on Energy Star

## Power over Ethernet

	Max W	i/p range	Desk-top	5V				12V				24V				48V	
PW180KA	20.2	100-250Vac	YES														0.42A
PW147RB	20																0.35A
<b>Line Splitter</b>																	
LS15-05	10	48V					2A										
LS15-12	10.8										0.9A						
LS15-24	11.4																0.475A

## Mobile DC/DC Adaptors

	o/p's	Max W	i/p range	Desk-top	Wall-mount	15.1V	16.2V	18.2V	19.2V	20.2V	24.1V
TR7515	1	75	12-15.5Vdc	YES		4.77A					
TR7516	1	75	12-15.5Vdc	YES			4.63A				
TR7518	1	75	12-15.5Vdc	YES				4.12A			
TR7519	1	75	12-15.5Vdc	YES					3.91A		
TR7520	1	75	12-15.5Vdc	YES						3.71A	
TR7524	1	75	12-15.5Vdc	YES							3.11A

						15V	16V	18V	19V	20V	24V
TR10015	1	100	10.6-16Vdc	YES		6.67A					
TR10016	1	100	10.6-16Vdc	YES			6.25A				
TR10018	1	100	10.6-16Vdc	YES				5.5A			
TR10019	1	100	10.6-16Vdc	YES					5.26A		
TR10020	1	100	10.6-16Vdc	YES						5A	
TR10024	1	100	10.6-16Vdc	YES							4.16A
TR12015	1	120	10.6-16Vdc	YES		8A					
TR12016	1	120	10.6-16Vdc	YES			7.5A				
TR12018	1	120	10.6-16Vdc	YES				6.66A			
TR12019	1	120	10.6-16Vdc	YES					6.31A		
TR12020	1	120	10.6-16Vdc	YES						6A	
TR12024	1	120	10.6-16Vdc	YES							5A

## Battery Chargers

### Nickel Metal Hydride

BCM NiMH Series	# Cells	Volts DC	Fast Charge Current A
BCM-*306-150-00-21X	3-06	3-09	1.5
BCM-*306-120-00-21X	3-06	3-09	1.2
BCM-*306-100-00-21X	3-06	3-09	1
BCM-*306-080-00-21X	3-06	3-09	0.8
BCM-*306-060-00-21X	5-10	3-09	0.6
BCM-*510-120-00-21X	5-10	5-15	1.2
BCM-*510-100-00-21X	5-10	5-15	1
BCM-*510-080-00-21X	5-10	5-15	0.8
BCM-*510-060-00-21X	5-10	5-15	0.6
BCM-*812-100-00-21X	8-12	8-18	1
BCM-*812-080-00-21X	8-12	8-18	0.8
BCM-*812-060-00-21X	8-12	8-18	0.6

### Nickel Cadmium

BCM NiCD Series	# Cells	Volts DC	Fast Charge Current A
BCM-*306-150-00-21X	3-06	3-09	1.5
BCM-*306-120-00-21X	3-06	3-09	1.2
BCM-*306-100-00-21X	3-06	3-09	1
BCM-*306-080-00-21X	3-06	3-09	0.8
BCM-*306-060-00-21X	5-10	3-09	0.6
BCM-*510-120-00-21X	5-10	5-15	1.2
BCM-*510-100-00-21X	5-10	5-15	1
BCM-*510-080-00-21X	5-10	5-15	0.8
BCM-*510-060-00-21X	5-10	5-15	0.6
BCM-*812-100-00-21X	8-12	8-18	1
BCM-*812-080-00-21X	8-12	8-18	0.8
BCM-*812-060-00-21X	8-12	8-18	0.6

### Lithium Ion

BL600 Series	# Cells	Volts DC	Fast Charge Current A	Thermistor Required
BL600-*02-170-00-03X	2	8.4	1.7	no
BL600-*03-314-00-03X	3	12.6	1.4	no
BL600-*04-100-00-03X	4	16.8	1	no
BL600-*02-170-00-21X	2	8.4	1.7	yes
BL600-*03-314-00-21X	3	12.6	1.4	yes
BL600-*04-100-00-21X	4	16.8	1	yes

### Lead Acid

BVL Series	Volts DC	Output Amps	Fast Charge Vdc	Float Charge Vdc	Max Watts
BVL061000003X	6	1	7.35	6.9	7.35
BVL062000003X	6	2			14.7
BVL120600003X	12	0.6	14.7	13.8	8.82
BVL121200003X	12	1.2			17.64
BVL240300003X	24	0.3	29.4	27.6	8.82
BVL240600003X	24	0.6			17.64

## Linear External Power Supplies

Linear Unregulated	Input Volts	# of o/p	O/p Volts	O/p Power watts
UK	230Vdc	1	5 to 24Vdc	2 to 20W
Europe	230Vdc	1	3 to 24Vdc	2 to 20W
N America	120Vdc	1	3 to 24Vdc	0.3 to 24W
Japan	100Vdc	1	5 to 24Vdc	1.2 to 35W
Australia	240Vdc	1	3 to 24Vdc	1.2 to 14W

Linear Regulated	Input Volts	# of o/p	O/p Volts	O/p Power watts
UK	230Vdc	1	5 to 24Vdc	2.25 to 12W
Europe	230Vdc	1/2/3	5 to 24Vdc	2.25 to 12W
N America	120Vdc	1/3	5 to 24Vdc	2.65 to 12W
Japan	100Vdc	1	5 to 24Vdc	6 to 12W
Australia	240Vdc	1	5 to 24Vdc	6 to 12W

## The world leader in medical OEM power supplies

For more than twenty five years, Condor has been the market leader in OEM power supplies for medical electronics, leading the industry in technological advances and providing specialized support for the challenges of the medical marketplace. Condor currently produces more medically approved OEM power products for use in patient-connected applications than all of our competitors combined.

## Power for industrial and instrumentation systems

Condor has many years of experience creating innovative power solutions for a variety of industrial and instrumentation applications. These systems often require unique outputs, have special size constraints, and may be used under demanding environmental conditions. The Condor line is versatile and robust by design so it is suitable for a broad range of applications including automated manufacturing systems, high-pressure liquid chromatography, gaming products, spectrometers and process control systems.

## NEW PRODUCTS FROM THE CONDOR LINE



### GSM11 Series

The GSM11 Series is an 11-watt universal input AC/DC power supply in an industry-leading small footprint. Wide range, Class II input. Six models available from 3.3V to 28V. Ideal for a broad range of medical applications including small single board computers, battery charging and operating small motors or pumps. Full safety agency and EN60601/EN60950-1 approvals.



### GNT200 Series

The latest range of GNT products is the compact 200W (127 x 76 x 30mm) wide range input power supply. The products available with both medical and commercial agency approvals provide high efficiencies of typically 90% with a main channel output ranging from 12 to 48V and the possibility of a further two auxiliary outputs.



### GNT400 Front End Series

The GNT400 provides 400 watts of DC output power in a compact 100 x 178 x 40mm package. Approved for medical and commercial applications, the power supply has a 300 watts convection rating. There are four models available from 12V to 48V. MTBF of 300,000 hours minimum. The unit is available with optional secondary output channel and fan cover options.



### GPMP/GPHP Series

The GPMP medical and GPHP commercial series are a family of universal input AC/DC power supplies with power factor correction (PFC) and up to 1000 watts of output power. This single output commercial series incorporates "hot-swap" capabilities and a handle. There are four models available in 24V, 28V, 36V and 48V outputs. The GPHP series may be placed in a CRA2-3 Rack which enables the user to have up to 6000W available.

# CONDOR PRODUCT SELECTOR

## Switchmode Power Supplies

Single Output Commercial	Medical	o/p's	Max Power W		Input Voltage	pcb u channel enclosed	MAX CONTINUOUS CURRENT (AMPS)								
			Conv (pk)	Forced			3.3V	5V	12V	15V	24V	28v	36V	48V	
	GSM11	1	11 (16)		85-264	p	2.2	2.2	0.92	0.73	0.45				
	GSM15	1	15	18	90-264	p		3	1.5	1.2	0.75	0.64			
GSC20		1	20	24	90-264	p		3.8	1.7	1.4	0.85	0.7			
	GSM28	1	28 (32)		85-264	p		5.5	2.3	1.9	1.2	1			
	GNT30	1	30	30	90-264	p		6	2.5	2	1.25	1.07			0.63
GECA40		1	40 (45)		90-264	p		7	3.3	2.7	1.7				
GLC40		1	40 (45)		90-264	p	8	8	3.3	2.7	1.7	1.4			0.83
GPC40	GPM40	1	40 (50)		85-264	p	8	8	4.5	3.3	2.7	1.7			1.4
GPC41	GPM41	1	40 (50)		85-264	p		6	3.3	2.7	1.7	1.4			
GLC50	GLM50	1	50 (60)		90-264	p	8	8	4.2	3.3	2.1	1.8			1.1
GPC55	GPM55	1	55 (70)		85-264	p	11	4.7	3.7	2.3	2	1.5			
	GNT60	1	55	65	90-264	p			5	4.35	2.7	2.14			1.35
GLC65	GLM65	1	65	75	90-264	p		11	5.5	4.3	2.7	2.3			1.35
GLC75	GLM75	1	75	110	90-264	p		19.6	9.1	7.3	4.6	4			
GPC80	GPM80	1	80	110	85-264	p		20	9.2	7.3	4.6	3.9			2.3
GLC110	GLM110	1	75	110	90-264	p			9.1	7.3	4.6				
GPFC110		1	80	110	85-264	u		15	9.2	7.3	4.6	3.9			2.3
	GPFM115	1	80	115	85-264	u	20	20	9.6	7.7	4.8	4.1			2.4
GPC140	GPM140	1	140	160	85-264	u		30	13.4	10.7	6.7	5.7			
	GLD150	1	150	180	85-264	u			15	12	7.5	6.4			3.75
GPFC160		1	140	160	85-264	u		31.3	13.3	10.7	6.7	5.7			3.4
GPC225	GPM225	1	200	225	85-264	u		40	19	15	9.4	8			
GPFC250	GPFM250	1	180	250	85-264	u	36	36	15	12	7.5	6.5			3.8
GNT400	GNT400	1	300	400	80-270	u			34		16.7				8.3
GPHP600	GPMP600	1	600 (Internal fan)		85-264	e					25	21.5		17	
GPHP700	GPMP700	1	700 (Internal fan)		85-264	e									14
GPHP900	GPMP900	1	900 (Internal fan)		85-264	e					37.5	32.1	25	18.8	
GPHP1000	GPMP1000	1	1000 (Internal fan)		180-264	e					41.7**	35.7	27.7	20.8	
<b>Dual Output</b>															
GLC110	GLM110	2	75	110	85-264	p		+12V -12V		+15V -15V		+24V +5V			
<b>Triple Output</b>															
GSC25	GSM25	3	25	28	90-264	p		+5V +12V -12V		+5V +15V -15V		+5V +24V -12V			
GECA40		3	40 (45)		90-264	p		+3.3V +12V -12V		+5V +12V -5V		+5V +12V -12V		+5V +24V -12V	
GLC40	GPM40	3	40	50	85-264	p		+5V +12V -12V		+5V +15V -15V		+5V +24V -12V			
GPC40		3	40	50	85-264	p		+5V +12V -12V		+5V +15V -15V		+5V +24V -12V			
GLC50	GLM50	3	50	60	90-264	p		+3.3V +12V -12V		+5V +12V -12V		+5V +15V -15V		+5V +24V -12V	
GPC50		3	50	60	85-264	p		+5V +12V -12V							
GLC65	GLM65	3	65	75	90-264	p		+3.3V +5 +12V		+5V +12V -12V		+5V +15V -15V		+5V +24V -12V	
<b>Quad Output</b>															
GPC55	GPM55	4	55	70	85-264	p									
GLC75	GLM75	4	75	110	90-264	p									
GPC80	GPM80	4	80	110	85-264	p									
GPFC125	GPFM125	4	50/80	125	90-264	u									
GPC130	GPM130	4	100	125	85-264	u									
	GLD140	4	140	180	90-264	u									
GPC200	GPM200	4	150	200	85-264	u									

Various combinations of  $\pm 5$ ,  $\pm 12$ ,  $\pm 15$ ,  $\pm 24$  and isolated outputs available.

Consult product data or local Sales Office for specific models.

\*\* Only available in medical version

## Linear Power Supplies

Single Output Commercial	Medical	MAX CONTINUOUS CURRENT (AMPS) AT 50HZ INPUT																		
		2V	5V	12V	15V	24V	28V	48V	5V	9 ~ 15V	18 ~ 24V	+12V	-12V	+15V	-15V	+12 ~ 15V	-12 ~ 15V	+18 ~ 24V	-18 ~ 24V	
	ML			0.45	0.36	0.25														
HA		1.35	1.35	0.81	0.81	0.45					0.45									
HB	MB	2.7*	2.7	1.53	1.35	1.08					0.9								0.45*	
HC	MC	5.4*	5.4	3.06	2.7	2.16					1.8								0.9*	
HN		8.1	8.1	4.59	4.05	3.24					2.7									
HD	MD	10.8*	10.8	6.12	5.4	4.32					3.6								2.7*	
HE		16.2	16.2	9.18	8.1	6.48					5.4								3.6	
F			22.5	14.4	14.4	10.8					5.4								5.4	
G			31.5																	
<b>Dual Output</b>																				
HAA	MAA	1.35*	1.35*	1.8	0.45	1.8	0.27								0.9 ~ 0.72	0.9 ~ 0.72	0.36 ~ 0.5*	0.36 ~ 0.5*		
HBB	MBB	2.7*	2.7*	2.7	1.08	2.7	0.72								1.53 ~ 1.35	1.53 ~ 1.35				
HCC	MCC	5.4*	5.4*	5.4	2.25	5.4	1.8								3.0 ~ 2.7	3.0 ~ 2.7				
HAD								0.36	0.36		0.36	0.36								
HDD															4.5	4.5				
	MLL							0.225	0.225		0.018	0.018								
<b>Triple Output</b>																				
	MTLL	4.5	0.09	0.09																
HTAA	MTAA	1.8	0.36	0.36																
HBAA	MBAA	2.7	0.9 ~ 0.72	0.9 ~ 0.72																
HCBB105		2.7	3.0 ~ 2.7	3.0 ~ 2.7																
HCAA	MCAA	5.4	0.9 ~ 0.72	0.9 ~ 0.72																
CP131		7.2	1.53 ~ 1.35	1.53 ~ 1.35																
HDBB		10.8	1.53 ~ 1.35	1.53 ~ 1.35																
HDCC		10.8	3.0 ~ 2.7	3.0 ~ 2.7																
HCBB75	MCBB75	5.4	1.5 ~ 1.35	1.5 ~ 1.35																

\* Only commercial version available

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**UK:** Crown Yealm House, Pathfields Business Park, South Molton, EX36 3LH, UK  
Tel: +44 (0)1769 579505 Fax: +44 (0)1769 579494 Email: euinfo@SLPower.com

**USA:** SL Power Electronics Corp, 6050 King Drive, Ventura, CA 93030 Tel: (+1) 805 486 4565

**Germany:** SL Power Electronics, Opelstrasse 2D, Moerfelden 64546 Tel +49 (0) 6105 297783

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.