imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Embedded Power for Business-Critical Continuity[™]

Embedded Power AC-DC and DC-DC Power Conversion Solutions









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For additional information go to www.Emerson.com/EmbeddedPower

The Embedded Power business of Emerson Network Power offers thousands of standard, modified standards and custom power supply products. Every standard product in our extensive portfolio is designed to help speed timeto-market more cost effectively and with less risk – with an outstanding level of support.

Our research, development, sales and support teams throughout the world are dedicated to meeting your needs today and in the future with innovative power solutions. We have invested in state-of-the-art manufacturing facilities and advanced global distribution systems to guickly manufacture and deliver the power products you need. We can quickly respond to your changing demands and have the ability to support you locally or worldwide.

Uniting the well-known Astec and Artesyn brands, the combined strength and experience of these companies, fused with pedigrees of quality, innovation and a deep understanding of our customers' needs, positions Emerson Network Power for continued growth and leadership in the embedded power markets.

This catalog lists key performance data for all standard ac-dc power supplies and dc-dc converters from the Embedded Power business of Emerson Network Power. It is designed to provide you with a fast, easy-to-use means of identifying the ideal power source for your application.

After selecting the product that you need from this catalog, we recommend that you visit our website to obtain more detailed information. You will find that you can quickly download product datasheets and safety certificates, check stock levels at our extensive global distribution network, and request evaluation samples. You can even ask one of our experts for technical advice, or register for the 'MyPower' community portal to gain access to tools, a knowledge base and support to help guide you to the best power solution for your needs.



Local Support

Our regional sales offices are ready to provide expert local applications and sales support. In representatives and distributors bring our products to you. Please call for locations of sales offices near you or visit our website at *Emerson.com/EmbeddedPower.*

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Embedded Power Selector Guide

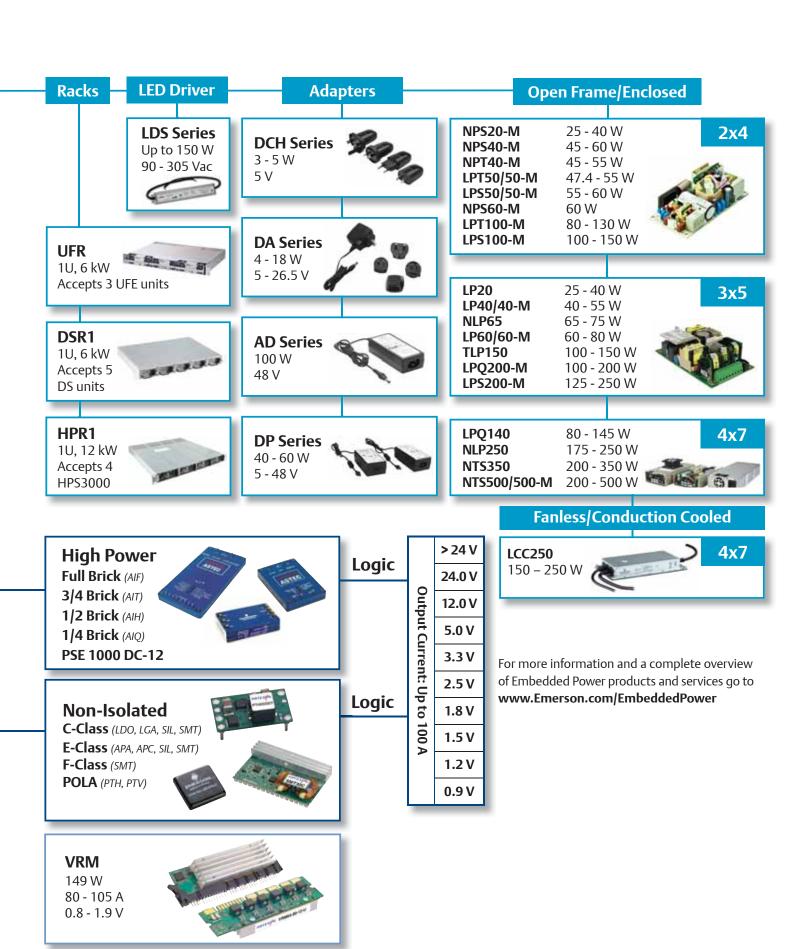


Special

For complete product specifications, technical reference notes and available product options, go to www.Emerson.com/EmbeddedPower.

ADN-C Series

120 - 960 W Single & 3-phase Approved for UL508 & Hazardous Locations





For additional information go to www.Emerson.com/EmbeddedPower



Accelerate, Improve & Enhance the Capabilities of Your Next System Design

At Emerson Network Power, our engineers have been designing and developing power supply products for over 35 years. Our products have helped pave the way for advancements in numerous applications in the communications, industrial, computing, data storage and healthcare markets.

When developing products, time is money. Every step in the process that you can eliminate, speed up, or make more effective accelerates your time-to-market and lowers your R&D costs. Major advantages of partnering with Emerson Network Power include:

- Broadest power supply product lines
- Highly versatile power supplies
- Modified standards and value-add services
- Low energy consumption
- Eco-friendly products
- Space-efficient power
- Reliability & quality
- Worldwide distributor network
- Vast knowledge, experience & expertise

Innovation for the Next Generation

Many of our products incorporate powerful programming, monitoring and self-testing software providing system engineers with critical data to manage power consumption. High efficiency, green design and manufacturing technologies, and innovative demand and supply replenishment systems collectively deliver key business efficiencies and new design capabilities. Emerson Network Power can help take your new product design or redevelopment efforts to the next level with a shorter time-to-profit, higher reliability and greater scalability. Emerson benefits include:

- Shorter Time-to-Market our latest programmable power solutions and our modular, medium/high power µMP and iMP series provide you with shorter time-to-market and offer faster test and qualification than traditional analog power solutions. Our modified standards and value-add services also provide turn-key solutions for the best application match to help accelerate time-to-market without compromising quality.
- Higher Reliability moving from inflexible fixed-output analog power supplies to programmable power solutions enables our engineers to more extensively test and document our products to ensure they meet or exceed your reliability requirements. And we provide a wide range of on-line environmental, EMC compliance and safety certification to help speed your product design process.
- Greater Scalability many of our latest power solutions are scalable, programmable and plug-compatible with our earliergeneration products, enabling you to quickly address changes or enhancements to your systems. You can now satisfy most changes in power requirements simply by reprogramming the power supply – and if your needs change radically, you can easily swap to a more capable solution. This inherent scalability eliminates redesign costs, reduces testing time and provides you with greater design flexibility.







Power Supply Design Controls

Emerson utilizes the following design methodologies and techniques to ensure that our power supplies meet the rigorous quality & reliability requirements of the communications, industrial, computing, data storage and healthcare markets.

Reliability Models and Predictions

- A prediction of design reliability in terms of Mean Time Between Failures (MTBF) using Telecordia, Bellcore or MIL-HDBK-217F
- Not intended as a measure of expected field performance, but for design trade-off analysis and review of part stress derating performance

Failure Modes and Effect Analysis

- An analytical technique to identify and review failure modes, their causes, mechanisms and effects
- Provides a formal risk assessment to reduce field failures at the customer site

Component Selection

- Database warehouse of all component information
- Design engineers can only select components rigorously approved from suppliers that have undergone strict qualification and auditing process

Derating Analysis

• Intended to reduce the failure rate of components

Design for Manufacturability

• Design rules regarding manufacturability

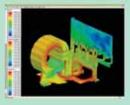
Simulation Analysis – Computer-Aided Engineering Tools

- Thermal Simulation
- Circuit Simulation
- EMI Field Simulation
- Detailed Mechanical Design
- PCB Layout and Tracking
- Structural Simulation



Emerson Computer-Aided Engineering Tools

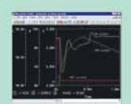
Thermal Simulation



EMI Field Simulation



PCB Layout and Tracking



Circuit Simulation



Detailed Mechanical Design



Structural Simulation





MyPower Community Portal

Discover. Communicate. Collaborate.

MyPower is a free community portal that provides a variety of tools and resources including:

Community

40

Utilizing the tools and resources provided will increase your standard knowledge base of our industry. Resources include:

- Industry Links
- What's New
- Trade Shows
- Tools & Calculators

Knowledge Base

Familiarize yourself with our products and services. This section is designed to help build your industry knowledge.

- Product Videos
- White Papers
- Industry Books
- Educational Product Videos

Support

Emerson Network Power strives to support your needs. In this section you will find:

• Factory Quality, Safety and Environmental Certifications

To sign up for a free MyPower account go to **www.Emerson.com/MyPower**





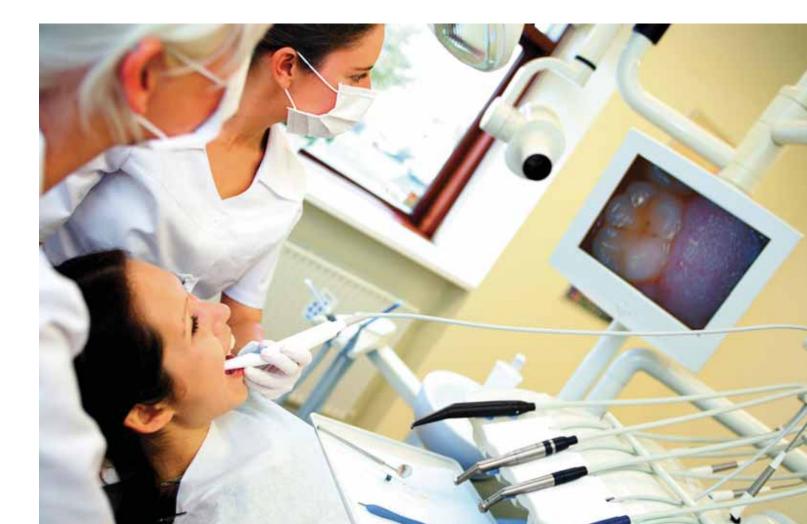
Stay Connected.





AC–DC Power Supplies

Emerson Network Power is widely acknowledged as an industry leader and produces an exceptionally wide range of AC-DC power conversion products.



Low Power Open frame/enclosed 1-4 outputs 20-500 Watts

Special Features

All models feature:

Low Power

- Industry standard footprints
- Wide-range AC input
- Full power to 50 °C
- High demonstrated MTBF
- Overvoltage protection

Overload protection

- Built-in EMI filtering
- Extensive safety approvals
- Derated operation to 70 °C
- Derated operation to 70 (



Many models feature:

- EN61000-3-2 compliance
- Supervisory outputs (5 V/12 V)
- Wide-adjust floating 4th output
- Single wire current share
- Medical approvals
- Remote sense

- Adjustable outputs
- Power fail

2.5" x 4.25" x 1.15"

(63.5 x 108 x 29.2)

NLP40-76S3J

NLP40-7612J

NLP40-7605J

NLP40-7612J

NLP40-7615J

NLP40-7624J

NLP40-7617J

NLP40-7629J

NLP40-7627J

NLP40-7608J

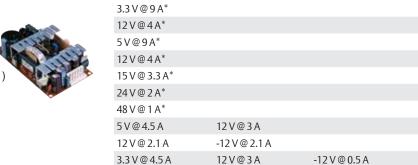
NLP40-7610J

NLP40-76T366J

- Wide-adjust on single output models
- Derated operation to 80 °C

[Forced Air] Free Air V1 V2 V3 V4 Size Wx Lx H(mm) Mo [40 W] 25 W LP20 Series 3" x5" x1.2" LP52 5V@5A[8A]* 3" x5" x1.2" LP52 12V@2.1A [3.3 A]* (76.2x 127 x 30.5) LP52 12 V@2.1A [3.3 A]* (76.2x 127 x 30.5) LP52 15V@1.7A [2.7]* LP52 15 V@1.7A [2.7]* LP20 0.5A [0.7A] LP52 12V@2.5A [2.4] 12V@0.5A [0.7A] LP52 5 V@3 A [4A] 12 V@0.5A [0.7A] -12 V@0.5A [0.7A] LP72 12V 5 V@3 A [4A] 12 V@1.5A [2A] -5 V@0.5A [0.7A] LP72 12V 5 V@3 A [4A] 12 V@1.5A [2A] -5 V@0.5A [0.7A] LP72 12V 5 V@3 A [4A] 12 V@1.5A [2A] -5 V@0.5A [0.7A] LP72 12V [40 W] 25 W NPS20-M Series LP72 12V 12V <td< th=""><th>ut Power</th><th>Outpu</th><th></th><th>tput Pov</th><th></th><th>Out</th><th>put</th><th></th><th></th><th></th></td<>	ut Power	Outpu		tput Pov		Out	put			
5V@ 5A [8A]* 3" x 5" x 1.2" LP522 12V@ 2.1 A [3.3 A]* (76.2 x 127 x 30.5) LP523 15V@ 1.7 A [2.7]* LP524 24V@ 1.1 A [1.8 A]* LP525 5V@ 3A [4A] 12V@ 1.5 A [2A] -12V@ 0.5 A [0.7 A] LP523 5V@ 3A [4A] 12V@ 0.5 A [0.7 A] LP523 5V@ 3A [4A] 12V@ 0.5 A [0.7 A] LP723 5V@ 3A [4A] 12V@ 0.5 A [0.7 A] LP724 5V@ 3A [4A] 12V@ 0.5 A [0.7 A] LP724 5V@ 3A [4A] 12V@ 0.5 A [0.7 A] LP725 [40 W] 25 W NPS20-M Series LP725 [10 W] 02 W NPS20-M Series 2" x 4" x 1" NP522-M (1) 15 V@ 1.7 A [2.7]* 15 V@ 0.5 A [0.7 A] LP725 [40 W] 02 SW NPS20-M Series 2" x 4" x 1" NP522-M (1) 15 V@ 1.7 A [2.7 A]* 15 V@ 0.5 A [0.7 A] 15 V@ 0.5 A [0.7 A] NP523-M (1) 15 V@ 1.7 A [2.7 A]* 15 V@ 0.5 A [0.7 A] 15 V@ 0.5 A [0.7 A] NP523-M (1) 15 V@ 1.7 A [2.7 A]* 15 V@ 0.5 A [0.7 A] 15 V@ 0.5 A [0.7 A] NP523-M			V1		V1			V4	Size W x L x H (mm)	Model
12V@2.1A[3.3A]* (76.2 x 127 x 30.5) LP523 15V@1.7A[2.7]* LP524 24V@1.1A[1.8A]* LP525 5V@3.A[4A] 12V@1.5A[2A] -12V@0.5A[0.7A] LP723 5V@3.A[4A] 12V@1.5A[2A] -12V@0.5A[0.7A] LP724 5V@3.A[4A] 12V@1.5A[2A] -5V@0.5A[0.7A] LP724 5V@3.A[4A] 12V@1.5A[2A] -5V@0.5A[0.7A] LP725 [40 W] 25 W NPS20-M Series LP725 [40 W] 25 W NPS20-M Series LP725 [40 W] 25 W NPS20-M Series NP525-N [10 W] 25 W NPS20-M Series NP522-N [40 W] 25 W NPS20-M Series NP522-N [10 W] 25 W NPS20-M Series NP522-N [10 W] 25 W NPS20-M Series NP522-N [11 W] 12 V@2.1A[3.3A]* (50.8 x 101.6 x 25.4) NP523-N [11 W] 12 V@2.1A[3.3A]* NP524-N NP524-N [11 W] 12 V@1.5A[0.84A]* NP525-N NP525-N [11 W] 12 V@1.5A[0.84A]* NP525-N NP525-N	25 ۱	0 W]	LP20 Series		LP20 Series					
ISV@ 1.7 A [2.7]* LPS24 24V@ 1.1 A [1.8 A]* LPS25 5V@ 3 A [4 A] 12 V@ 1.5 A [2 A] -12 V@ 0.5 A [0.7 A] LPT22 5V@ 3 A [4 A] 12 V@ 0.5 A [0.7 A] LPT23 LPT23 5V@ 3 A [4 A] 12 V@ 0.5 A [0.7 A] LPT24 LPT24 5V@ 3 A [4 A] 12 V@ 0.5 A [0.7 A] LPT24 LPT24 5V@ 3 A [4 A] 15 V@ 1.5 A [2 A] -5 V@ 0.5 A [0.7 A] LPT25 [40 W] 25 W NPS20-M Series NPS20-M Series [40 W] 25 W NPS20-M Series NPS20-M Series [40 W] 25 W NPS20-M Series NPS20-M Series [40 W] NPS20-M Series 2" x 4" x 1" NPS20-M Series [40 W] 12 V@ 1.4 [1.8 A]* 15 V@ 1.7 A [2.7 A]* NPS20-M Series [47 W] Enclosed LCT43-E L NPS20-M Series			5 V @ 5 A [8 A]*		5 V @ 5 A [8 A]*				3" x 5" x 1.2"	LPS22
24V@ 1.1 A [1.8 A]* LPS25 5V@ 3 A [4A] 12V@ 1.5 A [2A] -12 V@ 0.5 A [0.7 A] LPT22 5V@ 3 A [4A] 12 V@ 0.5 A [0.7 A] LPT23 5V@ 3 A [4A] 12 V@ 0.5 A [0.7 A] LPT23 5V@ 3 A [4A] 12 V@ 1.5 A [2A] -5 V@ 0.5 A [0.7 A] LPT23 5V@ 3 A [4A] 12 V@ 1.5 A [2A] -5 V@ 0.5 A [0.7 A] LPT24 5V@ 3 A [4A] 15 V@ 1.5 A [2A] -5 V@ 0.5 A [0.7 A] LPT25 [40 W] 25 W NPS20-M Series LPT25 [40 W] 25 W NPS20-M Series 2" x 4" x 1" NPS22-M (1) 5 V@ 5 A [8 A]* 2" x 4" x 1" NPS22-M (1) 12 V@ 2.1 A [3.3 A]* (50.8 x 101.6 x 25.4) NPS23-M (1) 15 V@ 1.7 A [2.7 A]* NPS24-M NPS25-M (1) 24 V@ 1 A [1.8 A]* NPS25-M NPS25-M (47 W] Enclosed LCT43-E LCT43-E		-	12 V @ 2.1 A [3.3 A]		12 V @ 2.1 A [3.3 A]*				(76.2 x 127 x 30.5)	LPS23
(1) 5V@3A[4A] 12V@1.5A[2A] -12V@0.5A[0.7A] LPT24 5V@3A[4A] 12V@0.5A[0.7A] -12V@0.5A[0.7A] LPT24 5V@3A[4A] 12V@1.5A[2A] -5V@0.5A[0.7A] LPT24 5V@3A[4A] 12V@1.5A[2A] -5V@0.5A[0.7A] LPT24 5V@3A[4A] 15V@1.5A[2A] -5V@0.5A[0.7A] LPT25 [40 W] 25 W NPS20-M Series LPT25 [40 W] 25 W NPS20-M Series LPT25 [40 W] 25 W NPS20-M Series 2"x4"x1" NPS22-N [10 W] 25 W NPS20-M Series 2"x4"x1" NPS22-N [40 W] 20 W 14[3.3A]* (50.8x101.6x25.4) NPS22-N [11 W] 15 W@1.7A[2.7A]* NPS25-N NPS25-N NPS25-N [12 W@2.1A[1.8A]* NPS25-N NPS25-N NPS25-N NPS25-N [47 W] Enclosed LCT43-E LCT43-E LCT43-E LCT43-E LCT43-E			15 V @ 1.7 A [2.7]*		15 V @ 1.7 A [2.7]*					LPS24
5V@4A[5A] 12V@0.5A[0.7A] -12V@0.5A[0.7A] LPT23 5V@3A[4A] 12V@1.5A[2A] -5V@0.5A[0.7A] LPT24 5V@3A[4A] 15V@1.5A[2A] -5V@0.5A[0.7A] LPT25 [40 W] 25 W NPS20-M Series LPT25 [40 W] 25 W NPS20-M Series 2"x4"x1" NPS22-N [10 W] 25 W 12V@2.1A[3.3A]* (50.8x101.6x25.4) NPS22-N [11 W] 15 W@1.7A[2.7A]* NPS24-N NPS24-N NPS24-N [47 W] Enclosed LCT43-E LCT43-E LCT43-E LCT43-E	- CAN	10	24 V @ 1.1 A [1.8 A]		24 V @ 1.1 A [1.8 A]*					LPS25
5V@3A[4A] 12V@1.5A[2A] -5V@0.5A[0.7A] LPT24 5V@3A[4A] 15V@1.5A[2A] -15V@0.5A[0.7A] LPT25 [40 W] 25 W NPS20-M Series LPT25 5V@5A[8A]* 2"x4"x1" NPS22-N 12V@2.1A[3.3A]* (50.8x101.6x25.4) NPS22-N 15V@1.7A[2.7A]* NPS24-N 24V@1A[1.8A]* NPS25-N 48V@0.5A[0.84A]* NPS28-N		1)	5 V @ 3 A [4 A]	1	5 V @ 3 A [4 A]	12 V @ 1.5 A [2 A]	-12 V @ 0.5 A [0.7 A]			LPT22
5V@3A[4A] 15V@1.5A[2A] -15V@0.5A[0.7A] LPT25 [40 W] 25 W NPS20-M Series 2"x4"x1" NPS22-N 5V@5A[8A]* 2"x4"x1" NPS22-N 12V@2.1A[3.3A]* (50.8x101.6x25.4) NPS23-N (1) 15 V@ 1.7A[2.7A]* NPS24-N 15 V@0.5A[0.84A]* NPS24-N 24 V@1A[1.8A]* NPS25-N 48 V@0.5A[0.84A]* NPS28-N [47 W] Enclosed LCT43-E LCT43-E			5 V @ 4 A [5 A]		5 V @ 4 A [5 A]	12 V @ 0.5 A [0.7 A]	-12 V @ 0.5 A [0.7 A]			LPT23
[40 W] 25 W NPS20-M Series 5V@5A[8A]* 2" x4" x 1" NP522-N 12V@2.1A[3.3A]* (50.8 x 101.6 x 25.4) NP523-N 15V@1.7A[2.7A]* NP524-N 24V@1A[1.8A]* NP525-N 48V@0.5A[0.84A]* NP528-N [47 W] Enclosed LCT43-E			5 V @ 3 A [4 A]		5 V @ 3 A [4 A]	12 V @ 1.5 A [2 A]	-5 V @ 0.5 A [0.7 A]			LPT24
5V@5A[8A]* 2" x4" x 1" NP522-M 12V@2.1A[3.3A]* (50.8 x 101.6 x 25.4) NP523-M 15V@1.7A[2.7A]* NP524-M 24V@1A[1.8A]* NP525-M 48V@0.5A[0.84A]* NP528-M [47 W] Enclosed LCT43-E			5 V @ 3 A [4 A]		5 V @ 3 A [4 A]	15 V @ 1.5 A [2 A]	-15 V @ 0.5 A [0.7 A]			LPT25
12 V@ 2.1 A [3.3 A]* (50.8 x 101.6 x 25.4) NPS23-N 15 V@ 1.7 A [2.7 A]* NPS24-N 24 V@ 1 A [1.8 A]* NPS25-N 48 V@ 0.5 A [0.84 A]* NPS28-N [47 W] Enclosed LCT43-E	25 ۱	0 W]	NPS20-M Ser		NPS20-M Serie	es				
(1) 15 V@ 1.7 A [2.7 A]* NPS24-N 24 V@ 1 A [1.8 A]* NPS25-N 48 V@ 0.5 A [0.84 A]* NPS28-N [47 W] Enclosed LCT43-E	20	N'NE	5 V @ 5 A [8 A]*	a An	5 V @ 5 A [8 A]*				2" x 4" x 1"	NPS22-M
24 V @ 1 A [1.8 A]* NPS25-N 48 V @ 0.5 A [0.84 A]* NPS28-N [47 W] Enclosed LCT43-E	No.	1	12 V @ 2.1 A [3.3 A]	1.10	12 V @ 2.1 A [3.3 A]*				(50.8 x 101.6 x 25.4)	NPS23-M
24 V@ 1 A [1.8 A]* NPS25-N 48 V@ 0.5 A [0.84 A]* NPS28-N [47 W] Enclosed LCT43-E		(1)	15 V @ 1.7 A [2.7 A]		15 V @ 1.7 A [2.7 A]*					NPS24-M
[47 W] Enclosed LCT43-E	(All -	. /	24 V @ 1 A [1.8 A]*	194	24 V @ 1 A [1.8 A]*					NPS25-M
			48 V @ 0.5 A [0.84 A		48 V @ 0.5 A [0.84 A]*					NPS28-M
	Enclose	7 W]	LCT43-E	Enc	LCT43-E					
5V@4A[7A] 12V@1A[1.2A] -12V@0.5A[0.5A] 3.2"x6.2"x1.5" LCT43-E			5 V @ 4 A [7 A]		5 V @ 4 A [7 A]	12 V @ 1 A [1.2 A]	-12 V @ 0.5 A [0.5 A]		3.2" x 6.2" x 1.5"	LCT43-E
(81.3 x 157.5 x 38.1)	ER			and the second					(81.3 x 157.5 x 38.1)	





12 V @ 3 A

15V@2A

40 W NLP40 Series

5 V @ 4.5 A

5 V @ 4.5 A

Options:

[] Rating with 30 CFM of air

(1) Optional cover/enclosure

* Floating output

-12 V @ 0.5 A

-15 V @ 0.5 A

Output I	Power		Out	put			
[Forced Air]	Free Air	V1	V2	V3	V4	Size W x L x H (mm)	Model
[55 W]	40 W	LP40 Series					
		3.3 V @ 8 A [11 A]*				3" x 5" x 1.2"	LPS41
		5 V @ 8 A [11 A]*				(76.2 x 127 x 30.5)	LPS42
		12 V @ 3.3 A [4.5 A]*					LPS43
00		15 V @ 2.6 A [3.6 A]*					LPS44
State of the		24 V @ 1.6 A [2.3 A]*					LPS45
(1)		48 V @ 0.9 A [1.2 A]*					LPS48
		3.3 V @ 4 A [7 A]	5 V @ 1.5 A [2 A]	+12 V @ 0.5 A [0.7 A]			LPT41
		5 V @ 4 A [5 A]	12 V @ 2 A [2.5 A]	-12 V @ 0.5 A [0.7 A]			LPT42
		5 V @ 6 A [8 A]	12 V @ 0.5 A [0.7 A]	-12 V @ 0.5 A [0.7 A]			LPT43
		5 V @ 4 A [5 A]	12 V @ 2 A [2.5 A]	-5 V @ 0.5 A [0.7 A]			LPT44
		5 V @ 4 A [5 A]	15 V @ 2 A [2.5 A]	-15 V @ 0.5 A [0.7 A]			LPT45
		5 V @ 4 A [5 A]	24 V @ 1 A [1.5 A]	+12 V @ 0.5 A [0.7 A]			LPT46
		5 V @ 4 A [5 A]	24 V @ 1 A [1.5 A]	-12 V @ 0.5 A [0.7 A]			LPT47
55 W]	45 W	NPT40-M Serie	es				
	1	5 V @ 5 A [8 A]	12 V @ 2.5 A [3 A]	-12 V @ 0.5 A [0.7 A]			NPT42-M
NEW!	27	5 V @ 5 A [8 A]	15 V @ 2 A [2.4 A]	-15 V @ 0.5 A [0.7 A]			NPT43-M
- Page	and	5 V @ 5 A [8 A]	24 V @ 1 A [1.5 A]	12 V @ 0.5 A [0.7 A]			NPT44-M
60 W]	45 W	NPS40-M Serie	es				
		5 V @ 8 A [11 A]*				2" x 4" x 1"	NPS42-M
		12 V @ 3.75 A [5 A]*				(50.8 x101.6 x 25.4)	NPS43-M
	CALL R	15 V @ 3 A [4 A]*					NPS44-M
(1)		24 V @ 1.9 A [2.5 A]*					NPS45-M
	0	48 V @ 0.94 A [1.25 A]	*				NPS48-M
55 W]	55 W	LP50 Series					
		3.3 V @ 8 A	5 V @ 3 A	12 V @ 0.5 A		2" x 4" x 1.3"	LPT51
	51	5 V @ 8 A	12 V @ 3 A	-12 V @ 0.5 A		(50.8 x 101.6 x 33)	LPT52
(1)	C Pm	5 V @ 8 A	15 V @ 2.4 A	-15 V @ 0.5 A			LPT53
(1)		5 V @ 8 A	24 V @ 1.5 A	12 V @ 0.5 A			LPT54
60 W]	60 W	5 V @ 11 A*					LPS52
		5 V @ 11 A*					LPS52 (-I)
		12 V @ 5 A*					LPS53
		12V@5A*					LPS53 (-I)
- Aug		15V@4A*					LPS54
(1)		24 V @ 2.5 A*					LPS55
		48 V @ 1.25 A*					LPS58
60 W]	60 W	NPS60-M Serie	د				
		5V@11A*				2" x 4" x 1"	NPS62-M
NEW!		12V@5A*				(50.8 x 101.6 x 25.6)	NPS63-M
	N.					(30.0 × 101.0 × 23.0)	
WT.	Con a	15V@4A*					NPS64-M
		24 V @ 2.5 A*					NPS65-M

Options: [] Rating with 30 CFM of air (1) Optional cover/enclosure * Floating output (-I) Industrial version -40 °C up to 80 °C (derated)

Output	Power		Ou	tput			
[Forced Air]	Free Air	V1	V2	V3	V4	Size W x L x H (mm)	Model
[75 W]	65 W	NLP65 Series					
		5 V @ 12 A*				3" x 5" x 1.26"	NLP65-7605J
	9	5 V @ 12 A*				(76.2 x 127 x 32)	$NLP65-9605J^{(5)(G)}$
125		12 V @ 6.5 A*					$NLP65-7612J^{(G)}$
		12 V @ 6.5 A*					$NLP65-9612J^{(5)(G)}$
(1) 🔨	25	24 V @ 3.5 A*					$NLP65-7624J^{(G)}$
	3	24 V @ 3.5 A*					$NLP65-9624J^{(5)(G)}$
		5 V @ 8 A	12 V @ 3 A				NLP65-7629J
		5 V @ 8 A	12 V @ 3 A				$NLP65-9629J^{(5)(G)}$
		5 V @ 8 A	24 V @ 2 A	+12 V @ 1.0 A			NLP65-3322J
		5 V @ 8 A	12 V @ 3 A	-12 V @ 0.8 A			NLP65-7608J ^(G)
		5 V @ 8 A	12 V @ 3 A	-12 V @ 0.8 A			NLP65-9608J (5)(E,G)
		5 V @ 8 A	15 V @ 2.5 A	-15 V @ 0.8 A			NLP65-7610GJ
		5 V @ 8 A	15 V @ 2.5 A	-15 V @ 0.8 A			$NLP65\text{-}9610J^{(5)(G)}$
		5 V @ 8 A	24 V @ 2 A				NLP65-7620J
		5 V @ 8 A	24 V @ 2 A				$NLP65-9620J^{(5)(G)}$
[80 W]	60 W	LP60 Series					
	8	3.3 V @ 12 A [16 A]*				3" x 5" x 1.65"	LPS61
		5 V @12 A [16 A]*				(76.2 x 127 x 41.9)	LPS62
		12 V @ 5 A [6.7 A]*					LPS63
	a.c.	15 V @ 4 A [5.3 A]*					LPS64
(1)		24 V @ 2.5 A [3.3 A]*					LPS65
(')		48 V @ 1.3 A [1.7 A]*					LPS68
		3.3 V @ 5 A [8.5 A]	5 V @ 2.5 A [3 A]	+12 V @ 0.5 A [1 A]			LPT61
		5 V @ 7 A [8 A]	12 V @ 3 A [3.5 A]	-12 V @ 0.7 A [1 A]			LPT62
		5 V @ 7 A [8 A]	15 V @ 2.8 A [3.3 A]	-15 V @ 0.7 A [1 A]			LPT63
		5 V @ 7 A [8 A]	12 V @ 3 A [3.5 A]	-5 V @ 0.7 A [1 A]			LPT64
		5 V @ 7 A [8 A]	24 V @ 1.5 A [2 A]	+12 V @ 0.7 A [1 A]			LPT65
[110 W]	80 W	NLP110 Series	5				
		5 V @ 22 A*				3" x 6.5" x 1.26"	NLP110-9605J
	12 V @ 9.2 A*				(76.2 x 165.1 x 32)	NLP110-9612J	
1999		24 V @ 4.6 A*					NLP110-9624J
10	20	48 V @ 2.3 A*					NLP110-9617J
-	101	5 V @ 18 A	3.3 V @ 20 A	12 V @ 1 A			NLP110-9693J
	•	12 V @ 8.5 A	5 V @ 18 A	-12 V @ 1 A			NLP110-9608J ⁽⁵⁾



Options:

- $\dot{(E)}$ $\;$ To order an enclosed version of the NLP65-9608J, add suffix 'EJ' to the end of the
- model number, e.g., NLP65-9608EJ. The enclosed version includes: IEC connector, on/off switch, wire harness output connector and fitted cover. A safety earth ground pin and ground choke are available as an option. To order, please add the suffix 'GJ' to the end of the model number e.g. NLP65-9612GJ. (G)
- [] Rating with 30 CFM of air (1) Optional cover/enclosure
- (1)
- Floating output
 These modules feature harmonic current correction to EN6100-3-2

Output Power			Ou	tput			
[Forced Air] Free Air		V1	V2	V3	V4	Size W x L x H (mm)	Model
[130 W]	80 W	LPT100-M Seri	es				
ANT SALES		3.3 V @ 13 A [18 A]	5 V @ 5 A [9 A]	12 V @ 1 A [2.3 A]		2" x 4" x 1.28"	LPT101-M
		5 V @ 13 A [18 A]	12 V @ 5 A [9 A]	-12 V @ 1 A [2 A]		(50.8 x 101.6 x 32.7)	LPT102-M
(1)		5 V @ 13 A [18 A]	15 V @ 4 A [7.2 A]	-15 V @ 1 A [1.5 A]			LPT103-M
	Same	5 V @ 13 A [18 A]	24 V @ 1.5A [3 A]	12 V @ 1 A [2.3 A]			LPT104-M
[145 W]	80 W	LP140 Series					
	A.	5 V @ 12 A [25 A] (3.3-5 V)	12 V @ 5 A [6 A]	-12 V @ 1 A [1.5 A] (-12-15 V)	±3.3-25 V @ 1.5 A [4.5 A]*	4" x 7" x 1.5" (101.6 x 177.8 x 38.1)	LPQ142
[150 W]	100 W	TLP150 Series					
111		12 V @ 12.5 A*				3" x 5" x 1.25"	TLP150R-96S12J ^(F)
ALM.		24 V @ 6.3 A*				(76.2 x 127 x 31.75)	TLP150R-96S24J ^(F)
		36 V @ 4.2 A*					TLP150R-96S36J
(1)		48 V @ 3.2 A*					TLP150R-96S48J ^(F)
[150 W]	100 W	LPS100-M Seri	ies				
-		5 V @ 16 A [24 A]*				2" x 4" x 1.29"	LPS102-M
8		12 V @ 8.3 A [12.5 A]*				(50.8 x 101.6 x 33)	LPS103-M
	A.	15 V @ 6.7 A [10 A]*					LPS104-M
(1)	THURL	24 V @ 4.2 A [6.3 A]*					LPS105-M
		48 V @ 2.1 A [3.1 A]*					LPS108-M
		54 V @ 1.85 A [2.8 A]*					LPS109-M
[175 W]	110 W	LP170 Series					
[]		5 V @ 22 A [35 A]* (2.5-6 V)				4.25" x 8.5" x 1.5" (108 x 215.9x 38.1)	LPS172
- Cit		12 V @ 9.1 A [15 A]* (6-12 V)					LPS173
	CHINE DA L	15 V @ 7.3 A [12 A]* (12-24 V)					LPS174
(1)		24 V @ 4.5 A [7.5 A]* (24-54 V)					LPS175
		5 V @ 15 A [30 A] (3.3-5.5 V)	12 V @ 6 A [8 A]	-12 V @ 0.2 A [3 A] (-12-15 V)	±3.3-25 V @ 2 A [5 A]*		LPQ172
		5 V @ 10 A [24 A] (3.3-5.5 V)	12 V @ 6 A [8 A]	-12 V @ 1.2 A [3 A] (-12-15 V)	5 V @ 10 A [24 A]* (3.3-5 V)		LPQ173
[200 W]	100 W	LPQ200-M Ser	ies				
-		3.3 V @ 13 A [18 A]	5 V @ 13 A [18 A]	12 V @ 5 A [9 A]	-12 V @ 1 A [2 A]	3" x 5" x 1.32"	LPQ201-M
1	31	5 V @ 13 A [18 A]	12 V @ 5 A [9 A]	24 V @ 1.5 A [3 A]	-12 V @ 1 A [2 A]	(76.2 x 127 x 33.6)	LPQ202-M
(1)							

Options: [] Rating with 30 CFM of air (1) Optional cover/enclosure * Floating output

<table-container>250 ()125</table-container>	Output			Outp				
Note:StatumentStatumentStatumentStatumentStatument10<	[Forced Air]			V2	V3	V4	Size W x L x H (mm)	Model
111	[250 W]	125 W					<u>ал ги 1 али</u>	
(1) 15 V8 8.3 A [166.A]* UP5204-M UP5205-M 24 V8 52.A [10.4 A]* UP5208-M UP5208-M 250 W] 175 W NUP2508 costs NUP2508-96512 24 V8 10.5 A* 21 V8 21 A* 4* X* X1.5* NUP2508-96512 24 V8 10.5 A* 12 V8 21 A* 101.6x 177.8x 38.1 NUP2508-96512 24 V8 10.5 A* 12 V8 21 A* 12 V8 21 A* NUP2508-96512 24 V8 10.5 A* 12 V8 10 A* NUP2508-96524 NUP2508-96524 48 V8 5.3 A* 12 V8 10 A* NUP2508-96524 NUP2508-96524 12 V8 10 A* 12 V8 10 A* NUP2508-96524 NUP2508-96524 12 V8 10 A* 12 V8 10 A* NUP2508-96524 NUP2508-96524 12 V8 10 A* 12 V8 10 A* NUP2508-96548 NUP2508-96548 12 V8 10 A* 12 V8 10 A* 12 V8 10 A* NUP2508-9654 NUP2508-96548 12 V8 (12 A*) [10 A* 12 V8 [0 A* 12 V8 [0 A* 12 V8 25 X8 [0 A* NUP2508-9654 12 V8 (15 A*) 12 V8 [0 A* 12 V8 [0 A* 12 V8 25 X8 [0 A* NUP2508-9654 NUP2508-9654 12 V8 (15 A* 12 V8 [0 A* 15 V8 [0 A* 12 V8 [0 A*<	53							
IP Solve In the second of the	(1)						(/6.2 x 12/ x 33.6)	
availableavailableavailable250 M175 MM250 Series47 x7 x1.5°M1250 Resize210 21 A'210 21 A'47 x7 x1.5°M1250 Resize210 21 A'210 21 A'210 21 A'M1250 Resize210 21 A'210 21 A'210 21 A'M1250 Resize210 21 A'210 21 A'210 21 A'M1250 Resize210 21 A'210 21 A'120 21 A'120 21 A'250 VIP250 Series5' x 9' x 2'1252 C C250 VIP250 Resize5' x 9' x 2'1252 C C210 21 A'120 21 A'120 21 A'120 21 A'210 22 A'120 21 A'120 21 A'120 21 A'210 21 21 A' <td< td=""><td>A.</td><td>1052</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	A.	1052						
250 W] 175 W NLP250 Series 4*x7*x1.5" NLP250R-96512. 24V@10.5.A* 4*x7*x1.5" NLP250R-96524. NLP250R-96524. 4% 0* 5.3.A* NLP250P-96524. NLP250R-96524. NLP250 - DC (-48 Vdc Input) 4*x7*x1.5" NLP250R-96524. 12 V@14.6.A [21 A] 12 V@16.6.A [21 A] 12 V@16.6.A [21 A] NLP250R-96524. 250 W] LP250 - DC (-48 Vdc Input) 4*x7*x1.5" NLP250R-96524. 12 V@14.6.A [21 A] 12 V@16.6.A [21 A] NLP250R-96524. NLP250R-96524. 250 W] LP250 - DC (-48 Vdc Input) 4*x7*x1.5" NLP250R-96524. 12 V@14.6.A [21 A] 12 V@16.6.A [21 A] IP252C 5*x9*x2" LP252C 250 W] LP250 V@[00 A] 12 V@10.0.A 12 V@16.0.A] LP252C 12 V@16.6.A [21 A] 12 V@10.0.A 15 V@[6.A] 25 25 V@[6.A]* LP252C 5 V@[35 A] 12 V@[10.0.A] 15 V@[0.0.A] 15 V@[2.2.C LP250C 5 V@[35 A] 12 V@[10.0.A] 15 V@[0.0.A] 15 V@[2.2.C LP255C 5 V@[35 A] 12 V@[10.0.A] 15 V@[0.0.A] 15 V@[2.2.C LP255C 5 V@[35 A]								
1 γ 2 γ 2 γ 3 °								LPS208-M
4 4 4 4 4 4 5 5 4<	[250 W]	175 W						
All P250 - DC (-48 Uc Input) MIP250 - DC (-48 Uc Input) MIP250 - DC (-48 Uc Input) Z20 W] LP250 Series Af*X [*] x1.5 [*] (16x777.8x3.8) NP250A (-8577.8x3.8) NP350A (-8577.8x3.8)								
(1) $AIP250 - DC (-4 U control into the second inthe second into the second into the second int$	10	Carl.					(101.6 x 177.8 x 38.1)	
(1) 12v@ 14.6A [21.A] 4*x.7*x.15" NIP250N-48512 250 W] LP250 Series 5''.03''.03'' 15''.02'.03'' 250 W] 5''.03''.02''.03'' 15''.02''.03'' 15''.02''.03''.03''' 250 W] 12'VC(12.4)'.0[16.7A]'' 15''.02''.03'''.03'''.03'''.03'''.03'''.03''''.03''''.03''''.03''''.03'''''.03''''''''		14.						NLP250R-96S48J
250 W] LP250 Series 5*x9*x2* UP5252-C 50(3-60/0 [50,A]* 5*x9*x2* UP5252-C 12V(61224)@[21,A]* (127x228.6x50.8) UP525-C 12V(61224)@[16,A]* 12V@[10,A] 15525 UP525-C 240(24480)@[10,A]* 12V@[10,A] 15525V@[6,A]* UP525-C 24V(2480)@[10,A]* 12V@[10,A] 15525V@[6,A]* UP252 250 W] DP350 Series UP255 UP255V@[6,A]* UP255V@[6,A]* 5V(3 5V)@[70,A]* 15V@[10,A] 15525V@[6,A]* UP255V@[6,A]* UP255C 5V@[35,A] 15V@[10,A] -12V@[6,A] ±5-25V@[6,A]* UP255C UP255C 5V@[35,A] 15V@[10,A] -12V@[6,A] ±5-25V@[6,A]* UP255C UP255C 5V[35,V] UP350 Series 5*x9*x2.5* UP355C UP355C UP355C 12V@[12,A]* 12V@[12,A] -12V@[6,A] ±3.3-24V@[6,A]* UP355C UP355C 5V0 [50,A] 12V@[12,A] -12V@[6,A] ±3.3-24V@[6,A]* UP355C UP355C 5V0 [50,A] 12V@[12,A] -12V@[6,A] ±3.3-24V@[6,A]* UP355C UP355C	(1)		· · ·	3 Vdc Input)			A" y 7" y 1 5"	
5%1360/9[50/4] 5%29° 2" 1P5252.00 12V6121/2[12/4] 12V2[12/4] 127228.650.80 1P5254.00 15/12/24/9[16/4] 12V2[10/4] 55.25V0[6/4] 1P525.00 12V6135/1 15V2[10/4] 15V2[6/4] 1P225.00 15V0[35/4] 15V2[10/4] 15V2[6/4] 1P225.00 15V0[35/4] 15V2[10/4] 15V2[6/4] 1P225.00 15V0[35/4] 15V2[10/4] 15V2[6/4] 1P225.00 15V0[35/4] 15V2[10/4] 15V2[6/4] 1P225.00 15V1224V2[12/2] 15V2[10/4] 15V2[6/4] 1P255.00 15V1224V2[12/2] 1SV2[10/4] 15V2[6/4] 1P355.00 15V1224V2[12/2] 12V2[12/4] 12V2[6/4] 12V2[28.65A.51.00 1P355.00 15V1224V2[12/2] 12V2[12/4] 12V2[6/4] 13.24V2[6/4] 1P255.00 1P355.00 15V2[12/4] 15V2[12/4] 15V2[6/4] 13.24V2[6/4] 1P355.00 1P355.00 16V124V2[12/4] 15V2[12/4] 15V2[6/4] 13.24V2[6/4] 1P355.00 1P355.00 16V114 12V2[12/4] 15V2[6/4] 13.24V2[6/4] 1P355.00 1			12 V @ 14.6 A [21 A]					NLP250N-48S12
12/06/12/9(12/22/28.6x90)(12/22/28.6x90)(12/22/28.6x90)(12/22/28.6x90)(12/22/28.6x90)(12/22/28.6x90)(12/22/28.6x90)(12/22/28.6x90)(12/22/28.6x90)(12/22/28.6x90)(12/22/28.6x90)(12/22/28.6x90)(12/22.6x90)(250 W]		LP250 Series					
SinteriorInstructionInstructionSinteriorS			5 V (3-6 V) @ [50 A]*				5" x 9" x 2"	LPS252-C
(3).4)24/2448/9@[104.4]I/2V@[10.4]-12V@[6.4]6.525V@[6.4]Dep2s-c5/20 [35.4]15V@[10.4]-12V@[6.4]6.525V@[6.4]Dep2s-c5/20 [35.4]15V@[10.4]-15V@[6.4]5.52V@[6.4]Dep2s-c5/20 [35.4]15V@[10.4]-15V@[6.4]5.72V@[6.4]Dep3s-c5/20 [20.4]-12V-12V102728.6x3.50Dep3s-c5/20 [20.4]-12V@[12.4]-12V@[6.4]1.22V@[6.4]Dep3s-c6/20 [20.4]12V@[12.4]-12V@[6.4]2.3-24V@[6.4]Dep3s-c5/20 [20.4]12V@[12.4]-12V@[6.4]2.3-24V@[6.4]Dep3s-c5/20 [20.4]12V@[12.4]-12V@[6.4]2.3-24V@[6.4]Dep3s-c5/20 [20.4]12V@[12.4]-12V@[6.4]2.3-24V@[6.4]Dep3s-c5/20 [20.4]12V@[12.4]-12V@[6.4]1.3-24V@[6.4]Dep3s-c5/20 [20.4]12V@[12.4]-12V@[6.4]1.3-24V@[6.4]Dep3s-c5/20 [20.4]12V@[12.4]-12V@[6.4]1.3-24V@[6.4]Dep3s-c6/20 [20.4]12V@[12.4]-12V@[6.4]1.3-24V@[6.4]Dep3s-c6/20 [20.4]12V@[12.4]-12V@[6.4]1.3-24V@[6.4]Dep3s-c6/20 [20.4]12V@[12.4]-12V@[6.4]1.3-24V@[6.4]Dep3s-c6/20 [20.4]12V@[12.4]-12V-11.5356/20 [20.4]12V@[12.4]-11.53Dep3s-c6/20 [20.4]12V-1-11.5356/20 [20.4]12V-1-11.5356/20 [20.4] <td< td=""><td></td><td>100</td><td>12 V (6-12 V) @ [21 A]*</td><td></td><td></td><td></td><td>(127 x 228.6 x 50.8)</td><td>LPS253-C</td></td<>		100	12 V (6-12 V) @ [21 A]*				(127 x 228.6 x 50.8)	LPS253-C
11/10/10/10/10/10/10/10/10/10/10/10/10/1	1 00 m		15 V (12-24 V)@[16.7 A]*					LPS254-C
5V@[35A] 15V@[10A] -15V@[6A] ±5-25V@[6A]* LPQ253-C 350 W] LP350 Series 5" x9" x2.5" LP353-C 5V(612V)@[20.2A]* 12V(612V)@[20.2A]* 12V(200000000000000000000000000000000000	(3), (4)		24 V (24-48 V) @ [10.4 A]*					LPS255-C
350 W]			5 V @ [35 A]	12 V @ [10 A]	-12 V @ [6 A]	±5-25 V @ [6 A]*		LPQ252-C
\$\sigma \circ \ci			5 V @ [35 A]	15 V @ [10 A]	-15 V @ [6 A]	±5-25 V @ [6 A]*		LPQ253-C
12\(12\)\(1	350 W]		LP350 Series					
15/12-24/)@[233.A]* 15/12-24/)@[233.A]* 15/12-24/)@[233.A]* 15/12-24/)@[233.A]* 15/12-24/)@[233.A]* 15/12-24/)@[233.A]* 15/12-24/)@[233.A]* 15/12-24/)@[233.A]* 15/12-24/)@[233.A]* 15/12-24/)@[233.A]* 15/12-24/)@[233.A]* 15/12-24/)@[253.A]* 15/12-24/)@[253.A]* 15/12-	_		5 V (3-6 V) @ [70 A]*				5" x 9" x 2.5"	LPS352-C
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		21	12 V (6-12 V) @ [29.2 A]*				(127 x 228.6 x 63.5)	LPS353-C
(3), (4) 5v@[50A] 12v@[12A] -12v@[6A] ±3.3-24v@[6A]* LPQ352-C 5v@[50A] 15v@[12A] -15v@[6A] ±3.3-24v@[6A]* LPQ353-C 350 W] 200 W MTS350 Series LPQ353-C 12v@166A[292A]* -15v@[6A] ±3.3-24v@[6A]* LPQ353-C 350 W] 200 W MTS350 Series 4*x7*x1.5* NTS353 12v@166A[292A]* - 4*x7*x1.5* NTS353 24v@8.3A[14.6A]* (101.6x177.8x38) NTS358 380 W] 200 W MTS500 Series NTS359 500 W] 200 W MTS500 Series NTS359 500 W] 200 W MTS500 Series NTS359 500 W] 200 W MTS500 Series 4*x7*x1.5* NTS503 500 W] 800 W 11.1 A[27.7A]* K K MTS505	San-		15 V (12-24 V) @ [23.3 A]*					LPS354-C
5v@[50A] 12v@[12A] -12v@[6A] ±3.3-24v@[6A]* LPQ352-C 5v@[50A] 15v@[12A] -15v@[6A] ±3.3-24v@[6A]* LPQ353-C 350W] 200W NTS350 Series 12v@16.6A[29.2A]* 12v@16.6A[29.2A]* 12v@16.6A[29.2A]* 12v@16.6A[29.2A]* 12v@16.6A[29.2A]* 12v@16.6A[29.2A]* 12v@16.6A[29.2A]* 12v@16.6A[17.8x38] NTS353 3,(4) 12v@16.6A[29.2A]* 12v@16.6A[14.6A]* 12v@16.6A[14.6A]* 101.6x177.8x38] NTS358 3,(4) 12v@16.6A[41.7A]* 12v@16.6A[41.7A]* 101.6x177.8x38] NTS503 3,(4) 12v@16.6A[41.7A]* 12v@16.6A[41.7A]* 101.6x177.8x38] NTS503 3,(4) 12v@16.6A[41.7A]* 12v@16.6A[41.7A]* 101.6x177.8x38] NTS503			24 V (24-48 V) @ [14.6 A]*					LPS355-C
350 W] 200 W NTS350 Series 12 V@ 16.6 A[29.2 A]* 4" x 7" x 1.5" NTS353 24 V@ 8.3 A [14.6 A]* (101.6 x 177.8 x 38) NTS355 48 V@ 4.2 A [7.3 A]* NTS358 NTS359 500 W] 200 W NTS500 Series NTS359 500 W] 200 W NTS500 Series NTS503 500 W] 200 W NTS500 Series NTS503 60 W 12 V@ 16.6 A[41.7 A]* 4" x 7" x 1.5" NTS503 61 W 12 V@ 16.6 A[41.7 A]* 101.6 x 177.8 x 38) NTS505 61 W 12 V@ 16.6 A[41.7 A]* 101.6 x 177.8 x 38) NTS505 (3), (4) 18 V@ 11.1 A[27.7 A]* NTS506 NTS506	(3), (4)		5 V @ [50 A]	12 V @ [12 A]	-12 V @ [6 A]	±3.3-24 V@[6 A]*		LPQ352-C
12V@166A[29.2A]* 4"x7"x1.5" NTS353 24V@8.3A[14.6A]* (101.6x177.8x38) NTS358 48V@4.2A[7.3A]* NTS358 54V@3.7A[6.5A]* NTS359 500VV] 200W NTS500 Series NTS503 12V@16.6A[41.7A]* 4"x7"x1.5" NTS503 24V@8.3A[20.8A]* 101.6x177.8x38) NTS503 (3), (4) 12V@16.6A[41.7A]* NTS503 8V@11.1A[27.7A]* NTS505 NTS506			5 V @ [50 A]	15 V @ [12 A]	-15 V @ [6 A]	±3.3-24 V@[6 A]*		LPQ353-C
12V@166A[29.2A]* 4"x7"x1.5" NTS353 24V@8.3A[14.6A]* (101.6x177.8x38) NTS358 48V@4.2A[7.3A]* NTS358 54V@3.7A[6.5A]* NTS359 500VV] 200W NTS500 Series NTS503 12V@16.6A[41.7A]* 4"x7"x1.5" NTS503 24V@8.3A[20.8A]* 101.6x177.8x38) NTS503 (3), (4) 12V@16.6A[41.7A]* NTS503 8V@11.1A[27.7A]* NTS505 NTS506	350 W]	200 W	NTS350 Series					
(3), (4) 48 V@ 4.2 A [7.3 A]* NTS358 54 V@ 3.7 A [6.5 A]* NTS359 500 VV] 200 W NTS500 Series NTS503 12 V@ 16.6 A [41.7 A]* 4" x 7" x 1.5" NTS503 24 V@ 8.3 A [20.8 A]* (101.6 x 177.8 x 38) NTS505 18 V@ 11.1 A [27.7 A]* NTS506 NTS506	58						4" x 7" x 1.5"	NTS353
(3), (4) 54V@ 3.7 A [6.5 A]* NTS359 500 W] 200 W NTS500 Series V 12 V@ 16.6 A [41.7 A]* 4" x 7" x 1.5" NTS503 24 V@ 8.3 A [20.8 A]* (101.6 x 177.8 x 38) NTS505 (3), (4) 18 V@ 11.1 A [27.7A]* NTS506	A INC	2	24 V @ 8.3 A [14.6 A]*				(101.6 x 177.8 x 38)	NTS355
54V@ 3.7 A [6.5 A]* NTS359 500 W] 200 W NTS500 Series 12 V@ 16.6 A [41.7 A]* 4"x 7" x 1.5" NTS503 24 V@ 8.3 A [20.8 A]* (101.6 x 177.8 x 38) NTS505 18 V@ 11.1 A [27.7 A]* NTS506		1	48 V @ 4.2 A [7.3 A]*					NTS358
12 V @ 16.6 A [41.7 A]* 4" x 7" x 1.5" NTS503 24 V @ 8.3 A [20.8 A]* (101.6 x 177.8 x 38) NTS505 18 V @ 11.1 A [27.7A]* NTS506	(3), (4)		54 V @ 3.7 A [6.5 A]*					NTS359
12 V @ 16.6 A [41.7 A]* 4" x 7" x 1.5" NTS503 24 V @ 8.3 A [20.8 A]* (101.6 x 177.8 x 38) NTS505 18 V @ 11.1 A [27.7A]* NTS506	500 W]	200 W	NTS500 Series					
24 V @ 8.3 A [20.8 A]* (101.6 x 177.8 x 38) NTS505 (3), (4) NTS506	-						4" x 7" x 1.5"	NTS503
(3), (4) NTS506	En ILS	The U						NTS505
(3), (4)		9						
	(3), (4)		48 V @ 4.2 A [10.4 A]*					NTS508

Options:
[] Rating with 30 CFM of air
(1) Optional cover/enclosure
(3) Optional top fan cover (see datasheet for increased dimensions)

(4) Optional end fan cover (see datasheet for increased dimensions)
 * Floating output

LCC250 *Convection/conduction mounting*

250 Watts

Total Power:250 W# of Outputs:SingleOutput:12 V, 2

250 Watts Single 12 V, 24 V, 48 V



• Conduction or convection mounting

• Differential remote sense

• Output adjust

Special Features

- Wide operating temperature range suited for both outdoor and indoor applications
- + 250 W fanless power supply with zero derating up to 85 $^\circ\mathrm{C}$
- IP64 rated

Electrical Specifications

nput

Input	
Input range	90-264 Vac (Operating) 115/230 Vac (Nominal)
Frequency	47-63 Hz
Input fusing	Internal fuse on both L and N lines
Inrush current	50 A
Power factor	>0.92 full load
Harmonics	Meets EN61000-3-2; MIL-STD-461E: CE101; CE102; CS101; CS104
Input current	3.4 A @ 90 Vac full load
Hold up time	16 ms minimum at 115 Vac; 100% load
Efficiency	230 Vac; 100% load 12 V - 89% typical 24 V - 91% typical 48 V - 91.5% typical
Leakage current	<275 µA at 230 Vac

Environmental Specifications

Operating temperature	Suffix 4P (conduction): -40 °C to +85 °C baseplate temperature Suffix 7P (convection): -40 °C to +85 °C ambient temperature
Storage temperature	-40 °C to 85 °C
Humidity	10% to 100% (condensing & non-condensing)
Altitude	Operating: 13,000 feet
	Non-operating: 50,000 feet
Shock	IEC 68-2-27
Vibration	IEC 68-2-6 / IEC 721-3-2
Ingress protection	IP64 rated
MTBF (calculated)	>780,000 hours at 100% load; Low line; Telcordia SR332

• Output On/Off (Positive or negative logic user selectable)



Compliance

EMI Class B EN61000 Immunity

Safety

UL + CSA	60950-1 ANSI ES60601-1 3rd Ed.
TÜV	60950-1 60601-1 61347-1; 2-13
China	CCC
CB Scheme	IEC 60950-1 IEC 61347-1; 2-13 IEC 60601-1

Electrical Specifications

Output		
Output rating	12 V @ 20.83 A 24 V @ 10.4 A 48 V @ 5.2 A	-
Set point	±0.2%	Factory set point
Total regulation range	±2%	Line/load/temperature
Rated load	250 W maximum	-
Minimum load	0 A Load	No loss of regulation
Capacitive load	0-330 µF/amp	-
Constant output voltage adjustment range	12 V: +10/-10% 24 V: +14.6/-15% 48 V: +15%/-15%	Adjust via VR2
Constant output current adjustment range	+0/-50%	Adjust via VR1 CC mode supported from Vo nominal down to 80% Vo
Output ripple and noise	1%	See Note 1
Transient response	±5% Vo max transient; recovery <500 μs max	50% load step @ 1 A/μs Step load verified at: 50% to 100% load; 90-264 Vac input; capacitive load from 0 to 330 μF/Amp
Remote sense	Capable of stable offset of ±0.5 Vdc at output cable termination	+SENSE (red wire); -SENSE (black wire)
Output On/Off	Remote on/off referenced to secondary side. Positive or negative logic user selectable via CN2. Factory default is positive logic.	On/off (orange wire); on/off return (white wire)
Overload protection (OCP)	<150% lo	Autorecovery
Overvoltage protection (OVP)	110% to 135% Vo	Latching mode; requires input AC recycle
Overtemp protection (OTP)	-	Autorecovery; hiccup mode
Output isolation	4000 Vac Input to Output 1500 Vac Input to Ground 500 Vac Output to Ground	_

Ordering Information

Model Number	Output	Adjustment		Output Current		Combined Line/
Model Number	Output	Range	Min	Max	P/P ¹	Load Regulation
LCC250-12U-4P	12 V	±10%	0 A	20.8 A	1%	±2%
LCC250-12U-4PE	12 V	±10%	0 A	20.8 A	1%	±2%
LCC250-12U-7P	12 V	±10%	0 A	20.8 A	1%	±2%
LCC250-12U-7PE	12 V	±10%	0 A	20.8 A	1%	±2%
LCC250-24U-4P	24 V	+14.6/-15%	0 A	10.4 A	1%	±2%
LCC250-24U-4PE	24 V	+14.6/-15%	0 A	10.4 A	1%	±2%
LCC250-24U-7P	24 V	+14.6/-15%	0 A	10.4 A	1%	±2%
LCC250-24U-7PE	24 V	+14.6/-15%	0 A	10.4 A	1%	±2%
LCC250-48U-4P	48 V	±15%	0 A	5.2 A	1%	±2%
LCC250-48U-4PE	48 V	±15%	0 A	5.2 A	1%	±2%
LCC250-48U-7P	48 V	±15%	0 A	5.2 A	1%	±2%
LCC250-48U-7PE	48 V	±15%	0 A	5.2 A	1%	±2%

1. Output ripple measured at the end of the output cable terminated with $10 \, \mu$ F tantalum capacitor in parallel with $0.1 \, \mu$ F ceramic capacitor.

2. Additional external capacitance required to meet the indicated Output Ripple Limits. Please check the Technical Reference Notes.

3. China CCC approval applies to part numbers with "-xxE" suffixes only.

Low Power External power adapters

3-100 Watts

Special Features

All models feature:

- Wide-range AC input
- High demonstrated MTBF
- Overload protection
- Extensive safety approvals

Many models feature:

- EN61000-3-2 compliance
- Medical approvals
- Thermal protection
- Energy Star/ErP

- AC Input:
- Wallmount
 - U.S. 2-prong
 - China 2-prong
 - Europe 2-prong
 - United Kingdom 3-prong
 - Australia 2-prong
 - Korea 2-prong
- Japan 2-prong
- Interchangeable
- Freestanding
- IEC320 2-pin (C14) & (C6)
- IEC320 2-pin (C8)

DC Output:

- Single output
- 2.5 mm barrel plug
- 2.1 mm right angle plug



Output Power	V1	V2	V3	Size W x L x H (mm)	Model
3 W	DCH3 Series – USB				
	5 V @ 0.55 A			1.03" x 2.28" x 1.81" (26.1 x 58 x 46)	DCH3-050US-0001 DCH3-050US-0002
	5 V @ 0.55 A			1.03" x 2.28" x 1.80" (26.1 x 58 x 45.8)	DCH3-050EU-0005 DCH3-050EU-0006
	5 V @ 0.55 A			2.02" x 2.28" x 0.91" (51.2 x 57.8 x 23)	DCH3-050UK-0005 DCH3-050UK-0006
	5 V @ 0.55 A			1.07" x 2.66" x 1.81" (27.2 x 67.2 x 46)	DCH3-050US-0004
	5 V @ 0.55 A			1.07" x 2.66" x 1.81" (27.2 x 67.2 x 46)	DCH3-050US-0005
	5 V @ 0.55 A			2.02" x 2.64" x 0.97" (51.2 x 67 x 24.5)	DCH3-050US-0006
5 W	DCH5 Series				
	5 V @ 1 A			1" x 1. 4" x 1.88" (25.5 x 35.5 x 47.9)	DCH5-050US
	5 V @ 1 A			1" x 1. 4" x 1.88" (25.5 x 35.5 x 47.9)	DCH5-050EU
PS CA.	5 V @ 1 A			1.74" x 1.95" x 2.19" (44.2 x 49.53 x 55.62)	DCH5-050UK
-	5 V @ 1 A			1" x 1. 4" x 1.88" (25.5 x 35.5 x 47.9)	DCH5-050AU

12 W	
>	
đ	

Output Power

Output Power	V I	VZ VJ		woder
12 W	DA12-M Series			
	5V@2A		1.10" x 2.36" x 2.14" (28 x 60 x 54.3)	DA12-050AU-M
	12 V @ 1 A			DA12-120AU-M
	5V@2A		1.10" x 2.36" x 2.48" (28 x 60 x 63.1)	DA12-050EU-M
	12 V @ 1 A			DA12-120EU-M
	5 V @ 2 A		1.98" x 2.36" x 1.90" (50.2 x 60 x 48.3)	DA12-050UK-M
	12 V @ 1 A			DA12-120UK-M
	5 V @ 2 A		1.10" x 2.36" x 1.99" (28 x 60 x 50.6)	DA12-050US-M
	12 V @ 1 A			DA12-120US-M
	5V@2A		1.1" x 2.36" x 2.06" (28 x 60 x 52.3)	DA12-050MP-M ⁽¹⁾
	5V@2A			DA12-050MP-M2.1(2)
	12 V @ 1 A		1.10" x 2.36" x 2.14" (28 x 60 x 54.3)	DA12-120MP-M(1)
	12 V @ 1 A			DA12-120MP-M2.1(2)
18 W	DA18-M Series			
	12 V @ 1.5 A		1.1" x 2.36" x 2.14" (28 x 60 x 54.3)	DA18-120AU-M
	15 V @ 1.2 A			DA18-150AU-M
	12 V @ 1.5 A		1.1" x 2.36" x 2.48" (28 x 60 x 63.1)	DA18-120EU-M
	15 V @ 1.2 A			DA18-150EU-M
	12 V @ 1.5 A		1.98" x 2.36" x 1.90" (50.2 x 60 x 48.3)	DA18-120UK-M
9	15 V @ 1.2 A			DA18-150UK-M
	12 V @ 1.5 A		1.1" x 2.36" x 1.99" (28 x 60 x 50.6)	DA18-120US-M
	15 V @ 1.2 A			DA18-150US-M
	12 V @ 1.5 A		1.1" x 2.36" x 2.06" (28 x 60 x 52.3)	DA18-120MP-M ⁽¹⁾
	12 V @ 1.5 A			DA18-120MP-M2.1(2)
	15 V @ 1.2 A			DA18-150MP-M ⁽¹⁾
	12 V @ 1.2 A			DA18-150MP-M2.1(2)
24 W	AD24			
	12V@2A		1.89" x 4.13" x 1.3" (48 x 105 x 33)	AD2412N3L

Options: (1) Interchangeable AC plug - must be purchased separately. (2) 2.1 mm x 5.5 mm barrel plug

Output Power	V1	V2	V3	Size W x L x H (mm)	Model
40 W	DP40 Series				
	9 V @ 4.4 A			2.4" x 4.88" x 1.55"	DP4009N2M
to to	9 V @ 4.4 A			(61 x 124 x 39.5)	DP4009N3M
	12 V @ 3.33 A				DP4012N2M
	12 V @ 3.33 A				DP4012N3M
	15 V @ 2.67 A				DP4015N2M
	15 V @ 2.67 A				DP4015N3M
	18 V @ 2.22 A				DP4018N2M
	18 V @ 2.22 A				DP4018N3M
	24 V @ 1.67 A				DP4024N2M
	24 V @ 1.67 A				DP4024N3M
	48 V @ 0.84 A				DP4048N2M
	48 V @ 0.84 A				DP4048N3M
0 W	DPS50 Series				
	5 V @ 6 A			2.39" x 5.24" x 1.62"	DPS52
	12 V @ 5 A			(60.7 x 133 x 41.15)	DPS53
	15 V @ 4 A				DPS54
~ -	24 V @ 2.5 A				DPS55
~	48 V @ 1.25 A				DPS58
00 W	AD100				
173	48 V @ 2.08 A			2.56" x 6.14" x 1.44" (65 x 156 x 37.2)	AD10048P3L-001



Healthcare AC–DC Power Supplies

Up to 4920 Watts

Emerson Network Power produces a wide range of AC–DC power supplies certified for use in medical equipment requiring lower safety ground leakage and higher isolation. The power supplies listed below are designed for use in non-patient critical applications: bio-life science, medical, dental, imaging and laboratory applications such as immunoassay and in-vitro diagnostics machines, ultrasound and mass analyzers. All these power supplies are high efficiency switch-mode designs, and feature medical safety approval to EN60601-1.

Special Features

All models feature:

- Industry standard footprints
- Wide-range AC input
- Remote sense
- Adjustable outputs
- Power fail

- Full power to 50 °C
- High demonstrated MTBF
- Overvoltage protection
- Overload protection
- Built-in EMI filtering

• Medical approvals

Derated operation

to 70 °C

• Extensive safety approvals

- Many models feature: • EN61000-3-2 compliance
- Supervisory outputs (5 V/12 V)
- Wide-adjust floating 4th output
- Single wire current share
- Wide-adjust on single output models
- Voltage monitor/data logging
- Real-time parametric adjustment & control

Output Power			Out	tput		CONTROL	
[Forced Air]	Free Air	V1	V2	V3	V4	Size W x L x H (mm)	Model
[40 W]	25 W	NPS20-M Serie	es				
1		5 V @ 5 A [8 A]*				2" x 4" x 1"	NPS22-M
	C.C.	12 V @ 2.1 A [3.3 A]*				(50.8 x 101.6 x 25.4)	NPS23-M
all		15 V @ 1.7 A [2.7 A]*					NPS24-M
(1)	× 1	24 V @ 1 A [1.8 A]*					NPS25-M
		48 V @ 0.52 A [0.84 A]*					NPS28-M
[55 W]	40 W	LP40-M Series					
		5 V @ 8 A [11 A]*				3" x 5" x 1.2"	LPS42-M
		12 V @ 3.3 A [4.5 A]*				(76.2 x 127 x 30.5)	LPS43-M
		15 V @ 2.6 A [3.6 A]*					LPS44-M
ALC.	Level .	24 V @ 1.6 A [2.3 A]*					LPS45-M
(1)		5 V @ 4 A [5 A]	12 V @ 2 A [2.5 A]	-12 V @ 0.5 A [0.7 A]			LPT42-M
(.)		5 V @ 4 A [5 A]	15 V @ 2 A [2.5 A]	-15 V @ 0.5 A [0.7 A]			LPT45-M
[60 W]	45 W	NPS40-M Serie	25				
Sabe		5 V @ 8 A [11 A]*				2" x 4" x 1"	NPS42-M
1 Car	+	12 V @ 3.75 A [5 A]*				(50.8 x 101.6 x 25.4)	NPS43-M
		15 V @ 3 A [4 A]*					NPS44-M
(1)	THE	24 V @ 1.9 A [2.5 A]*					NPS45-M
B		48 V @ 0.94 A [1.25 A]					NPS48-M
[55 W]	45 W	NPT40-M Serie	25				
	SZZ	5 V @ 5 A [8 A]	12 V @ 2.5 A [3 A]	-12 V @ 0.5 A [0.7 A]			NPT42-M
NEW!	Nº -	5 V @ 5 A [8 A]	15 V @ 2 A [2.4 A]	-15 V @ 0.5 A [0.7 A]			NPT43-M
- Part	L	5 V @ 5 A [8 A]	24 V @ 1 A [1.5 A]	12 V @ 0.5 A [0.7 A]			NPT44-M
[55 W]	55 W	LP50-M Series					
	_	3.3 V @ 8 A	5 V @ 3 A	12 V @ 0.5 A		2" x 4" x 1.3"	LPT51-M
		5 V @ 8 A	12 V @ 3 A	-12 V @ 0.5 A		(50.8 x 101.6 x 33)	LPT52-M
(1)	and the second	5 V @ 8 A	15 V @ 2.4 A	-15 V @ 0.5 A			LPT53-M
(-)	A.C.	5 V @ 8 A	24 V @ 1.5 A	12 V @ 0.5 A			LPT54-M

Options:

[] Rating with 30 CFM of air

(1) Optional cover/enclosure

Floating output





Output F	Power		Out	out			
[Forced Air]	Free Air	V1	V2	V3	V4	Size W x L x H (mm)	Model
[60 W]	60 W	5 V @ 11 A*					LPS52-M
	5	12 V @ 5 A*					LPS53-M
		15 V @ 4 A*					LPS54-M
		24 V @ 2.5 A*					LPS55-M
(1)		48 V @ 1.25 A*					LPS58-M
[60 W]	60 W	NPS60-M Seri	es				
Let a Co	N	5V@11A*				2" x 4" x 1"	NPS62-M
0	a.	12 V @ 5 A*				(50.8 x 101.6 x 25.6)	NPS63-M
NEW	TIT	15 V @ 4 A*				· · · · · · · · · · · · · · · · · · ·	NPS64-M
NEVV! (1)	1	24 V @ 2.5 A*					NPS65-M
(1)	1	-					
[75 W]	65 W	NLP65 Series					
.204		12 V @ 6.5 A*				3" x 5" x 1.26"	NLP65-9912J ⁽⁵⁾
1		15 V @ 5.3 A*				(76.2 x 27 x 32)	NLP65-9915J (5)
		24 V @ 3.5 A*					NLP65-9924J ⁽⁵⁾
		5 V @ 8 A	12 V @ 3 A				NLP65-9929J ⁽⁵⁾
(1)		5V@8A	24 V @ 2 A				NLP65-9920J (5)
		5V@8A	12V@3A	-12V@1A			NLP65-9908J ⁽⁵⁾
[80 W]	60 W		5				
-		12 V @ 5 A [6.7 A]*				3" x 5" x 1.65"	LPS63-M
(1)	ST.	15 V @ 4 A [5.3 A]*				(76.2 x 127 x 41.9)	LPS64-M
		24 V @ 2.5 A [3.3 A]*					LPS65-M
A. 12 4 1		5 V @ 7 A [8 A]	12 V @ 3 A [3.5 A]	-12 V @ 0.7 A [1 A]			LPT62-M
· · · · · · · · ·		5 V @ 7 A [8 A]	15 V @ 2.8 A [3.3 A] -15V@0.7A[1A]			LPT63-M
[110 W]	80 W		5				
		5 V @ 22 A*				3" x 6.5" x 1.26"	NLP110-9905J
		12 V @ 9.2 A*				(76.2 x 165.1 x 45.72)	NLP110-9912J
		24 V @ 4.6 A*					NLP110-9924J
	9	48 V @ 2.3 A*					NLP110-9917J
-	SE	3.3 V @ 20 A	2.5 V @ 20 A	12 V @ 1 A			NLP110-9994J
	N.	5 V @ 18 A	3.3 V @ 20 A	12 V @ 1 A			NLP110-9993J
		12 V @ 8.5 A	3.3 V @ 20 A	-12 V @ 1 A			NLP110-9995J
		12 V @ 8.5 A	5 V @ 18 A	-12 V @ 1 A			NLP110-9908J
[130 W]	80 W	LPT100-M Ser	ies				
No.	-	3.3 V @ 13 A [18 A]	5 V @ 5 A [9 A]	12 V @ 1 A [2.3 A]		2" x 4" x 1.28"	LPT101-M
		5 V @ 13 A [18 A]	12 V @ 5 A [9 A]	-12 V @ 1 A [2 A]		(50.8 x 101.6 x 32.7)	LPT102-M
(1)	2.	5 V @ 13 A [18 A]	15 V @ 4 A [7.2 A]	-15 V @ 1 A [1.5 A]			LPT103-M
		5 V @ 13 A [18 A]	24 V @ 1.5A [3 A]	12 V @ 1 A [2.3 A]			LPT104-M
[150 W]	100 W		ies				
0.000		5 V @ 16 A [24 A]*				2" x 4" x 1.29"	LPS102-M
	P. 0	12 V @ 8.3 A [12.5 A]*	¢			(50.8 x 101.6 x 33)	LPS103-M
	100	15 V @ 6.7 A [10 A]*					LPS104-M
(1)	LIMM	24 V @ 4.2 A [6.3 A]*					LPS105-M
		48 V @ 2.1 A [3.1 A]*					LPS108-M
[150 W]	100 W	TLP150 Series	;				
		12 V @ 12.5 A*				3" x 5" x 1.25"	TLP150N-99S12JF
1410	2000	24 V @ 6.3 A*				(177.8 x 101.6 x 31.75)	TLP150N-99S24JF
V.A.S.	1 000						

(1)

Options: F Repl Replace the 'J' at the end of the model number with 'FJ' when the optional standby

output and/or remote ON/OFF control is required e.g., TLP150N-99S12FJ [] Rating with 30 CFM of air

(1) Optional cover/enclosure (see datasheet for increased dimensions)

These models feature harmonic current correction to EN61000-3-2 Floating output (5)

Output	Power				utput			
[Forced Air]	Free Air	V1		V2	V3	V4	Size W x L x H (mm)	Model
[175 W]	110 W	LP170-N						
100		-	5 A]* (2.5-6 V)				4.25" x 8.5" x 1.5"	LPS172-M
1 Sec	123		[15 A]* (6-12 \				(108 x 215.9 x 38.1)	LPS173-M
			[12 A]* (12-24					LPS174-M
(1)			[7.5 A]* (24-54	4 V)				LPS175-M
[200 W]	100 W	LPQ200-						
-	2	3.3 V @ 13 A [@ 13 A [18 A]	12 V @ 5 A [9 A]	-12 V @ 1 A [2 A]	3" x 5" x 1.32"	LPQ201-M
(1)	P	5V@13A[18	8A] 12V	/@5A[9A]	24 V @ 1.5 A [3 A]	-12 V @ 1 A [2 A]	(76.2 x 127 x 33.6)	LPQ202-M
[250 W]	125 W	LPS200-I	M Series					
	2	5 V @ 20 A [40	-				3" x 5" x 1.32"	LPS202-M
- Martin	Color.	12 V @ 10.3 A					(76.2 x 127 x 33.6)	LPS203-M
(1)	1	15 V @ 8.3A [-					LPS204-M
	Hite .	24 V @ 5.2 A [LPS205-M
		48 V @ 2.6 A [LPS208-M
[250 W]	175 W	NLP250 9						
		12 V @ 21 A*					4" x 7" x 1.5"	NLP250N-99S12J
		24 V @ 10.5 A	.*				(101.6 x 177.8 x 38.1)	NLP250N-99S24J
[250 W]	250 W	LCC250 9	Series					
	-)	12 V @ 20.8 A	١				4" x 7" x 1.1"	See LCC250 section
NEW!	111	24 V @ 10.4 A 48 V @ 5.2 A	λ				(101.6 x 177.8 x 28)	
[500 W]	200 W	NTS500-	M Series					
1	-	12 V @ 16.6 A	(41.7 A)*				4" x 7" x 1.5"	NTS503-M
Un Illest	S-V	24 V @ 8.3 A [[20.8 A]*				(101.6 x 177.8 x 38)	NTS505-M
(4), (5)	9	48 V @ 4.2 A [[10.4 A]*					NTS508-M
[300 W]		LCM300	Bulk Fro	nt End				
	-	12-60 V	Single outpu	its			1.61" x 4.0" x 7.0"	See LCM300 section
NEW!			ongie outpe				(4.09 x 101.6 x 177.8)	
[600 W]		LCM600	Bulk Fro	nt End				
NEW!		3.3-60 V	Single outpu	ıts			4.5" x 7.5" x 2.4" (114.3 x 190.5 x 62)	See LCM600 section
[1500 W]		LCM150	0 Bulk Fr	ont End				
NEW!	1	12-60 V	Single outpu	ıts			2.5" x 5.2" x 10.0" (63.5 x 132.1 x 254)	See LCM1500 section
Up to 120	0 W	μ ΜΡ Μe	dium Pov	wer Series	5			
NEW!		0.9-60 V	1-12 outputs		onfigurable		3.5" x 10.11" x 1.57" (88.9 x 256.9 x 40)	See µMP section

Options: (1) Optional cover/enclosure (4) Optional top fan covers (see datasheet for increased dimensions)

* Floating output
(5) Optional end fan cover (see datasheet for increased dimensions)

Output Power		Output		
[Forced Air] Free Air		V2 V3	V4 Size W x L x H (m	ım) Model
Up to 1500 W	Intelligent MP Se			6 11 D 11
	2-60 V 1-21 outpu	ts Fully configurable and inte	elligent 5" x 10" x 2.5" (127 x 254 x 63.5	See iMP section)
1500-4920 W	Intelligent VS Se	ries		
	2-60 V 1-24 outputs	s Fully configurable and intel	ligent 5" x 11" x 5" (127 x 279.4 x 12	7) See iVS section
Output Power	V1	V2	V3 Size W x L x H (mm)	Model
12 W	DA12-M Se	eries		
	5 V @ 2 A		1.10" x 2.36" x 2.14" (28 x 60 x 54.3)	DA12-050AU-M
	12 V @ 1 A			DA12-120AU-M
	5 V @ 2 A		1.10" x 2.36" x 2.48" (28 x 60 x 63.1)	DA12-050EU-M
	12 V @ 1 A			DA12-120EU-M
	5V@2A		1.98" x 2.36" x 1.90" (50.2 x 60 x 48.3)	DA12-050UK-M
	12V@1A			DA12-120UK-M
9	5V@2A		1.10" x 2.36" x 1.99" (28 x 60 x 50.6)	DA12-050US-M
	12 V @ 1 A			DA12-120US-M
	5 V @ 2 A		1.1" x 2.36" x 2.06" (28 x 60 x 52.3)	DA12-050MP-M ⁽¹⁾
	5 V @ 2 A			DA12-050MP-M2.1 ⁽²⁾
	12 V @ 1 A		1.10" x 2.36" x 2.14" (28 x 60 x 54.3)	DA12-120MP-M ⁽¹⁾
	12 V @ 1 A			DA12-120MP-M2.1(2)
18 W	DA18-M Se	eries		
	12 V @ 1.5 A		1.1" x 2.36" x 2.14" (28 x 60 x 54.3)	DA18-120AU-M
	15 V @ 1.2 A			DA18-150AU-M
	12 V @ 1.5 A		1.1" x 2.36" x 2.48" (28 x 60 x 63.1)	DA18-120EU-M
200 M	15 V @ 1.2 A			DA18-150EU-M
	12 V @ 1.5 A		1.98" x 2.36" x 1.90" (50.2 x 60 x 48.3)	DA18-120UK-M
	15 V @ 1.2 A		1 18 - 2 2 68 - 1 0 08	DA18-150UK-M
	12 V @ 1.5 A		1.1" x 2.36" x 1.99" (28 x 60 x 50.6)	DA18-120US-M
	15 V @ 1.2 A		1 18 - 2 2 68 - 2 0 68	DA18-150US-M
	12 V @ 1.5 A		1.1" x 2.36" x 2.06" (28 x 60 x 52.3)	DA18-120MP-M ⁽¹⁾
	12 V @ 1.5 A			DA18-120MP-M2.1 ⁽²⁾
	15 V @ 1.2 A			DA18-150MP-M ⁽¹⁾
	12 V @ 1.2 A			DA18-150MP-M2.1 ⁽²⁾
50 W	DPS50-M N	/ledical		
	5V@6A		2.39" x 5.24" x 1.62"	DPS52-M
	12 V @ 5 A 15 V @ 4 A		(60.7 x 133 x 41.15)	DPS53-M DPS54-M
	24 V @ 2.5 A			DPS54-M DPS55-M
N.	48 V @ 1.25 A			DPS58-M

Options: (1) Interchangeable AC plug - must be purchased separately. (2) 2.1 mm x 5.5 mm barrel plug

LED Lighting Drivers

Up to 150 Watts





Special Features

- Constant current and constant voltage operation
- Flexible dimming options
- Free-air rated-no forced air necessary for cooling

Compliance

- Includes Class 2 outputs
- Includes IP20, IP64 and IP67 water protection
- CISPR 15/FCC Part 15 EMI performance
- Class C harmonics
- >0.9 power factor

Safety

EN	61347-2-13
UL	8750
CSA	C22.2 No. 107.1
CE	Mark

Electrical Specifications

Input					
Input range	90-264 Vac (U models); 90-305 Vac (H models)				
Input frequency	47-63 Hz				
Input fusing	Internally fused				
Output					
Constant current	Capable of operating in constant current mode to directly drive LEDs and have optional adjustable current levels*				
Constant voltage	Designed to operate in constant voltage mode over a specified range to power external LED drivers*				
Control and Protection					
Current limit	Adjustable*				
Protection	Short Circuit/Overvoltage/Overtemperature				
K Pafer to data sheet for datailed information					

* Refer to data sheet for detailed information.

Ordering Information

Model Number	Input Voltage Range	Rated Output Voltage	Rated Output Current	Dimming Interface	IP Rating
LDS25-36-H03U	90-305 Vac	36 Vdc	700 mA dc	0-10 V	IP20
LDS25-36-H03F	90-305 Vac	36 Vdc	700 mA dc	0-10 V	Open-frame
LDS70-12-U00	90-264 Vac	12 Vdc	5.0 Adc	None	IP67
LDS70-12-H03	90-305 Vac	12 Vdc	5.0 Adc	0-10 V	IP67
LDS70-58-U00	90-264 Vac	58 Vdc	1.2 Adc	None	IP67
LDS70-58-U01	90-264 Vac	58 Vdc	1.2 Adc	2-level & DIP switch	IP64
LDS70-58-H03	90-305 Vac	58 Vdc	1.2 Adc	0-10 V	IP67
LDS70-58-H04	90-305 Vac	58 Vdc	1.2 Adc	Programmable ⁽¹⁾	IP67
LDS100-24-U00	90-264 Vac	24 Vdc	4.1 Adc	None	IP67
LDS100-24-U04	90-264 Vac	24 Vdc	4.1 Adc	Programmable (1)	IP67
LDS100-24-H00	90-305 Vac	24 Vdc	4.1 Adc	None	IP67
LDS100-24-H03	90-305 Vac	24 Vdc	4.1 Adc	0-10 V	IP67
LDS100-24-H04	90-305 Vac	24 Vdc	4.1 Adc	Programmable (1)	IP67
LDS100-31-H03	90-305 Vac	31 Vdc	3.16 Adc	0-10 V	IP67
LDS100-31-H04	90-305 Vac	31 Vdc	3.16 Adc	Programmable (1)	IP67
LDS100-48-H03	90-305 Vac	48 Vdc	2.1 Adc	Programmable (1)	IP67
LDS150-1400-H03	90-305 Vac	107 Vdc	1400 mAdc	0-10 V	IP67
LDS150-1400-H03C	90-305 Vac	107 Vdc	1400 mAdc	0-10 V	IP67

Notes: 1. The Dimming Interface on these highly-flexible models can be programmed via a Graphical User-Interface. The options include 0-10V, 1-10V and Bi-Level dimming. Maximum and minimum current levels and threshold levels are also programmable.

MicroMP Series

Cost-efficient, configurable power supply with market-leading density and efficiency

Up to 1200 Watts

Total Power: Input Voltage: 85-264 Vac 120-300 Vdc # of Outputs: Up to 12

Up to 1200 Watts

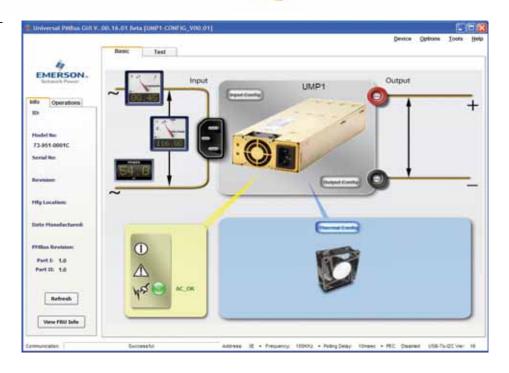
Special Features

- Optional conformal coating
- Industrial temp range (-40 °C to 70 °C)
- Industrial shock/vibration (>50 G's)
- Low cost
- Low leakage (< 300 µA)
- PMBus
- High efficiency
- Low profile 1U size
- Multi output
- Current limit modification (foldback or constant current)
- High power density – μMP4: 10.8 W/cu-in – µMP1: 15.1 W/cu-in
- Intelligent fan (speed control/fault status)
- Downloadable GUI from website
- µP controlled PFC input with active inrush protection
- No preload required
- IEC or terminal block input





μΜΡ



Electrical Specifications

Input	
Input range	85-264 Vac 120-350 Vdc (limited to 250 Vac/300Vdc in medical apps)
Frequency	47-440 Hz
Inrush current	40 A peak max. (soft start)
Efficiency	Up to 91% @ full case load
Power factor	0.99 typ. meets EN61000-3-2 (n/a @ 440 Hz)
Turn-on time	AC on 2 sec for µMP1 and 1.5 sec for µMP4, inhibit/enable 250 ms typical
EMI filter	CISPR 22/EN55022 Level "B"
Leakage current	300 μA max. @ 240 Vac for μMP1 and 500 μA max. for μMP4; 47-63 Hz
Radiated EMI	CISPR 22/EN55022 Level "B"
Warranty	Two years