



LET **VOX POWER** YOU

Unique Power Solutions.



Innovative and unique AC/DC
power supplies for medical and
industrial markets, empowering
our customers to change the
world.

About us

Founded in 2006, we had a clear vision to create the world's smallest configurable power supply. Today, we offer a full range of innovative power solutions for a broad range of healthcare, industrial and technology applications.

From the release of our ground-breaking NEVO+ high density configurable power series to the VCCM600, the world's first conduction cooled modular series and more recently the VCCS300, the world's highest power 2" x 4" power series, Vox Power is a proven power solution choice for end customers globally.

Our mission has always been to offer our customers a distinct competitive advantage through our commitment to cutting-edge design, uncompromising quality and expert technical customer support.

Our sales and design teams are headquartered in our ISO9001 approved offices in Dublin, Ireland and consist of creative problem-solvers and dedicated client service professionals working together to exceed customer expectations.

Applications of Vox Power products include critical healthcare devices, automation equipment, laboratory diagnostic equipment, computer and communication equipment, control and measurement equipment.

Our state-of-the-art manufacturing facility is ISO9001, 14001, 13485 (medical device production), 27001, IATF16949 approved and FDA registered. The Industry 4.0 Level 1i facility combines advanced manufacturing techniques and processes with the latest equipment to ensure consistent quality. Full traceability is offered, with finished product information linked back to all initial raw materials. Our manufacturing capability has passed the most stringent quality and detailed factory audits.

We take social responsibility seriously. We are fully committed to safeguarding our future, understanding that a sustainable world depends on what we do about human rights, the environment and ethical behaviour. We ensure that our suppliers also share our values by conducting regular internal audits in-line with ISO26000 CSR practices.

We fully comply with the requirements of the REACH Regulation, RoHS Directive and International Regulations for Conflict Materials. Our declarations are validated by Greensoft Technology.

We are supported by our global distribution and representative networks who are technically skilled and reputable power solution experts. Please visit www.vox-power.com to find your nearest power specialist.

VCCS300

Single Output Conduction Cooled Power Series

2" x 4" x 1.61"

Small

300W | 600W | 900W

Scalable

Fan-less

Silent

BF-Rated

Output



Cool it your way: Conduction | Convection | Forced Air

The VCCS300 series delivers a silent 300 Watts of continuous output power in a rugged and miniature 2" x 4" x 1.61" package, which can be cooled using conduction, convection or forced air cooling techniques. It is the ultimate power solution for applications where rugged reliability, high efficiency, silent operation and BF rating are important factors.

This product series offers power densities exceeding 23W/in³ with efficiencies up to 95% in a scalable power architecture. Power solutions of 300 Watts, 600 Watts, 900 Watts and beyond can be achieved by using the onboard droop current share function, which allows end users to scale up or down depending on their power requirements.

The VCCS300 is certified to the latest international Medical (BF rated) and ITE Safety Standards and offers output voltages ranging from 12V to 58V. The product is suitable for class I or II equipment up to 5000m and carries various Immunity and MIL STD approvals, making it perfect for applications in rugged and high vibration environments.

STANDARD FEATURES

- 300 Watts output
- 2" x 4" x 1.61" package
- Convection/Conduction/Forced-Air rated
- High efficiency – up to 95%
- Scalable power architecture
- High reliability
- Class I or II installations
- Operating Altitude up to 5000m
- Low Leakage and Touch Current
- Parallel units with droop current sharing
- BF Rated output
- MIL-STD 810G
- MIL-STD 461F
- MIL-STD 704F
- SEMI F47
- 5 Year warranty
- Approved to latest safety standards: IEC/UL62368-1 2nd Edition, IEC/UL60601-1 3rd Edition and IEC/UL60601-1-2 4th Edition (EMC)

SPECIFICATIONS

AC input voltage	85 – 264 Vrms
Size	2" x 4" x 1.61"
Power Rating	300 Watts
Efficiency	Up to 95%
Power Factor	0.99
Holdup	16mS
No load power	≤ 1 Watts
Operating temperature	-40°C to +70°C
Leakage & touch current	≤200uA
Output voltages	12V to 58V

VCCM600

Modular Conduction Cooled Series



4" x 7" x 1.61"

Small

600W

Powerful

Fan-less

Silent

Cool it your way: Conduction | Convection | Forced Air

First of its kind in the world, the VCCM600 combines the advantages of a modular and configurable power supply with the high reliability of a fan-less architecture. The VCCM600 Medical and Industrial series delivers a silent 600 Watts up to 750 Watts of peak power for 5 seconds in a rugged 4" x 7" x 1.61" package.

Depending on your application, the VCCM600 could be configured as a conduction, convection or forced air cooled solution. This flexibility allows the unit to be seamlessly integrated across a vast range of applications making it perfect for standardising your power platform. The unique design approach and heat dissipation techniques allow the unit to be mounted in virtually any orientation giving system designers even more flexibility.

The series is suitable for applications ranging from the most controlled environments to the harshest conditions. Each configured solution can accommodate up to 4 isolated DC output modules and each module utilises 100% SMT components to ensure reliability.

STANDARD FEATURES

- 600 Watts conduction cooled rating
- 750 Watts peak rating (5 seconds)
- Standby power ≤ 1 Watts (In primary inhibit mode)
- Efficiency up to 92%
- Unique module design (100% SMT)
- Up to 4 isolated outputs at 150 Watts per channel
- Wide output adjust range
- Voltage and current dynamically controllable
- 5V/1A bias supply
- Series and paralleling of outputs
- Programmable start-up state (laser applications)
- 5 year warranty
- Approved to latest safety standards: IEC/UL60950 2nd Edition, IEC/UL62368-1 2nd Edition, IEC/UL60601-1 3rd Edition and IEC/UL60601-1-2 4th Edition (EMC)

SPECIFICATIONS

AC input voltage	85 – 264 Vrms
Size	4" x 7" x 1.61"
Power Rating	600 Watts 750 Watts Peak
Efficiency	Up to 92%
Power Factor	0.99
Holdup	20mS
Standby power	≤ 1 Watts
Baseplate operating temperature range	-40°C to +105°C, (Derating above +85°C)
Ambient operating temperature	-40°C to +70°C, (Derating above 50°C)
Input leakage current	$\leq 1500\mu\text{A}$ (Industrial) $\leq 300\mu\text{A}$ (Medical)
Touch current	$\leq 100\mu\text{A}$

OUTPUT OPTIONS

OPA	1.5V-7.5V, 25A, 125W
OPB	4.5V-15V, 15A, 150W
OPC	9V-30V, 7.5A, 150W
OPD	18V-58V, 3.75A, 150W

NEVO+600

Modular Configurable Power Series

5" x 3" x 1.61"

Small

600g

Light

600W

Powerful



600 Watts in the palm of your hand

The innovative NEVO+600 configurable power supply series is the smallest in its class, the ultimate power solution for demanding industrial and medical applications where size, power density and weight are vital factors. Weighing only 600 grams, the compact 5" x 3" x 1.61" package delivers up to 600 Watts, equating to a power density of 25 Watts per cubic inch.

The NEVO+600 input module can accommodate up to four isolated output modules, ranging from 75W dual output to 150W or 300W single output, which can easily be configured into a high power 5"x 3" single output power supply or a multiple output power supply with up to eight isolated outputs.

Standard features include intelligent fan control providing optimised airflow for various load and temperature conditions, wide output voltage adjust capability, parallel and series connection of modules and an isolated 5V 1A bias supply. A low noise fan option is available for use in even the quietest of environments.

STANDARD FEATURES

- 600 Watts in 5" x 3" x 1.61", 25W/in³
- Wide output voltage adjust range
- Remote current/voltage programming
- Efficiency up to 90%
- Intelligent fan control
- Parallel and series connection of modules
- Accurate current sharing
- Up to 8 isolated outputs
- Standard 5V 1A bias supply
- Low noise option
- Series tracker and I²C options
- Approved to latest safety standards: IEC/UL60950 2nd Edition, IEC/UL62368-1 2nd Edition, IEC/UL60601-1 3rd Edition and IEC/UL60601-1-2 4th Edition (EMC)

SPECIFICATIONS

AC input voltage	85 – 264 Vrms
Size	5" x 3" x 1.61"
Power Rating	600 Watts
Efficiency	Up to 90%
Power Factor	0.99
Holdup	20mS
Ambient operating temperature	-20°C To 70°C (Derating above 50°C)
Input leakage current	≤1500uA (Industrial) ≤300uA (Medical)
Touch current	<100uA

OUTPUT OPTIONS

OP1	1.5V-7.5V, 25A, 125W
OP2	4.5V-15V, 15A, 150W
OP3	9V-30V, 7.5A, 150W
OP4	18V-58V, 3.75A, 150W
OP5	Dual 3.3V-15V, 5A, 2 x 75W
OP8	Dual 24V, 3.125A, 2 X 75W
OPA2	4.5V-15V, 25A, 300W Dual Slot
OPA3	9V-30V, 15A, 300W Dual Slot

NEVO+1200

Modular Configurable Power Series



6" x 6" x 1.61"

Small

1.2kg

Light

1200W

Powerful

The Ultimate 1200W configurable solution

The NEVO+1200 configurable power supply series is the smallest in its class, delivering up to 1200W from a 6"x 6" x 1.61" package weighing only 1.2kg when fully configured. The ultimate power solution for demanding industrial and medical applications where size, weight, low standby power, and primary side inhibit are vital factors.

Each configured NEVO+1200 consists of an input module with up to eight output modules ranging from 75W dual output to 300W single output. These outputs can be fitted without restriction in any combination to create a power solution with up to sixteen isolated outputs. A low noise fan option is available for use in even the quietest of environments. A wide range of accessories are also available to simplify system integration.

STANDARD FEATURES

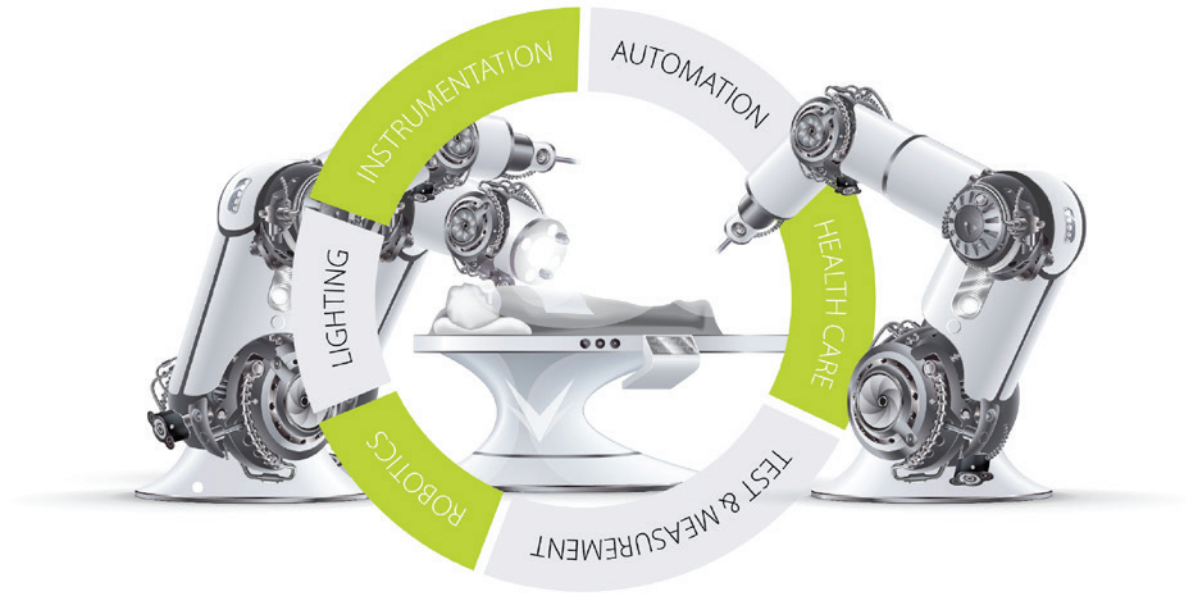
- Up to 1200 Watts in 6"x6"x1.61", 21W/in³
- Efficiency up to 90%
- Primary side remote on/off function
- Wide output voltage adjust
- Standby power ≤ 3 Watts
- Intelligent fan control
- Lightest modular design - only 1.2kg - 1000 Watts/kg
- Parallel & series connection of modules
- Remote current / voltage programming
- Accurate current sharing
- 2 x 5V 1A bias supply
- Approved to latest safety standards: IEC/UL60950 2nd Edition, IEC/UL62368-1 2nd Edition, IEC/UL60601-1 3rd Edition and IEC/UL60601-1-2 4th Edition (EMC)

SPECIFICATIONS

AC input voltage	85 – 264 Vrms
Size	6" x 6" x 1.61"
Power Rating	1200 Watts
Efficiency	Up to 90%
Power Factor	0.99
Holdup	20mS
Ambient operating temperature	-20°C To 70°C (Derating above 50°C)
Input leakage current	≤1500uA (Industrial) ≤300uA (Medical)
Touch current	≤100uA

OUTPUT OPTIONS

OP1	1.5V-7.5V, 25A, 125W
OP2	4.5V-15V, 15A, 150W
OP3	9V-30V, 7.5A, 150W
OP4	18V-58V, 3.75A, 150W
OP5	Dual 3.3V-15V, 5A, 2 x 75W
OP8	Dual 24V, 3.125A, 2 X 75W
OPA2	4.5V-15V, 25A, 300W Dual Slot
OPA3	9V-30V, 15A, 300W Dual Slot



LET **VOX POWER** YOUR APPLICATION

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