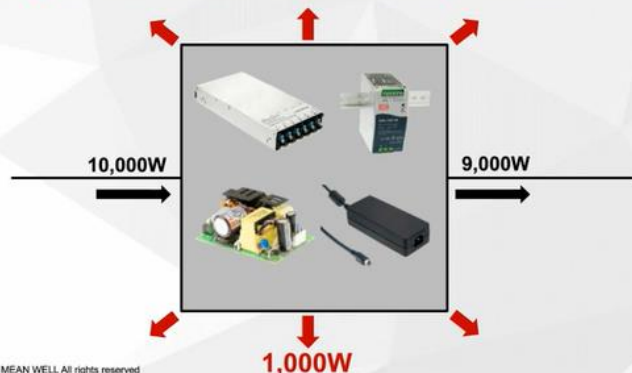


## Sager Power Systems Product Showcase – November 2020



### Why is Thermal Management Important?



### Going Beyond the Fan: The Future of Power Supply Thermal Management

Power supplies that use a fan present certain challenges that must be accounted for during the design process. Noise, vibration, added power consumption, reliability issues, dust and debris, and the potential for unexpected mechanical failure are just a few of the considerations facing engineers.

[Find out](#) from the experts at **MEAN WELL** and Sager Power Systems what other cooling methods are available beyond the fan, and gain insight into why a fan may not always be your best choice.

**Did you know that MEAN WELL will contribute 3% of their total revenue in Q4 2020 to support industry recovery through a customer savings plan and via donations to local charities?** [Click here](#) to learn more about the MEAN WELL

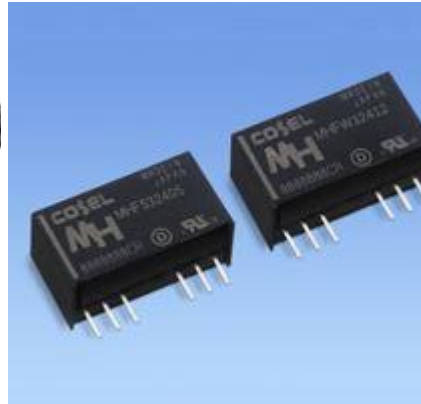
Industry Recovery Stimulation Plan.

## New and Featured Products from [Sager Power Systems](#)



### Phihong PPL300 300W Desktop Adapter Series

The PPL300 Desktop AC Adapter series features 50Hz to 60Hz AC input frequency. The adapters operate at 0°C to 40°C temperature range with 20°C to 80% operating humidity. These adapters are available with output voltages from 5V to 56V. These adapters also feature a primary to secondary isolation of 3,000Vac for 1min and function with 100VAC to 240VAC input voltage range. The PPL300 series are ideal for networking, industrial, peripherals, and test and measurement.



### Cosel MHFS3 / MHFW3 3W Isolated Medical DC-DC Converters

The MHFS3 / MHFW3 3W Isolated DC-DC Converters are single and dual-output devices in a standard SIP8 footprint that provides 2xMOOP for medical electrical equipment. The converters feature 3KVAC I/O isolation voltage, built-in remote On/Off, and adjustable external output voltage. Ideal for medical and industrial applications.



### TDK-Lambda PFH500F Conduction Cooled 500W AC/DC Power Modules

The PFH500F low profile modules have an AC input voltage of 85 to 265VAC, 47-63Hz, an AC input current of 5 / 2.5A, and 100°C baseplate temperature. The series is suitable for conduction cooling. The PFH500F-28 series utilizes GaN semiconductors, bridgeless power factor correction, synchronous rectification, and digital control, enabling efficiencies of up to 92%. Optocouplers have been replaced by digital isolators for long term reliability and stability.



### SL Power 300W Single Output Power Supply for Medical and ITE

The GU300 features a screwless design with no top-side heatsink, allowing for a more automated assembly, increasing reliability and cost-effectiveness. This open frame power supply series meets Class B EMI levels with margin, which eases integration of the power supply into end equipment. GU300 serves a variety of medical, test and measurement, and critical industrial applications.

**Features:**

- DOE level VI efficiency compliant
- Non-vented/spill-proof case
- Class B EMI
- UL/IEC 62368-1 safety compliance
- FCC Class B emission standards
- EN55032 Class B emission standards

**More info...****Features:**

- Industry-standard SIP8 footprint
- Single- and dual-output voltage options
- 2xMOOP for medical electric equipment
- Built-in overcurrent protection circuits (recovers automatically)
- CE marking
- Low voltage directive
- RoHS directive
- Five year warranty

**More info...****Features:**

- 4" x 2.4" Brick Foot-print with Metal Case
- High Power Density
- 12V Standby Output
- High-Efficiency
- Suitable for Conduction Cooling
- Power Factor Corrected
- PMBus™ (optional)
- Droop Load Share (optional)

**More info...****Features:**

- Digital control and monitoring
- Medical 4th Edition/Heavy Industrial levels of EMC performance
- Common mode noise attenuation
- Approved to Industrial/ITE and Medical standards
- 3" x 5" x 1.5" open frame package

**More info...**

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## Showcase Standouts



This is our November Product Showcase, and during this month, we pause for Thanksgiving. The Sager Power Systems team is thankful for our customers and suppliers who've supported Sager Power Systems over the past several years.

**For this Standout segment, we wanted to highlight how Sager Power Systems stands out in the market:**

- Sager has a world-class [line card of power and battery solutions](#).
- A national team of Power Sales Engineers to support customer's technical requirements.
- Commitment to stock the newest products from our suppliers.
- Over \$25M in power and battery inventory in stock.
- Power and Battery Value-add locations in the US.
- A full suite of supply chain programs - JIT, bonded inventory, EDI, credit terms, VMI forecast management.
- Free samples for qualified projects.



## Technical Team Corner

**Meet Sager Power Systems Sales Engineer (PSE) Brian Batza. Brian has been selling power products for over twelve years.**

Sales Territory: North West

Education: Bachelor's of Science in Marketing from San Jose State University



The best part of being a PSE is directly assisting engineers with power and thermal solutions that fits their requirements, and also the design win! The strength of our power, thermal, and battery offering demonstrates our commitment to these technologies.

**Fun fact:** A few friends pushed me to start cycling with them earlier this year. I bought a bike and now absolutely love it. Never in a million years did I think that would become of interest to me. It's a great exercise and hobby.



Contact a Sager Power Systems representative for more information: (866) 588-1750 or [power@sager.com](mailto:power@sager.com).



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