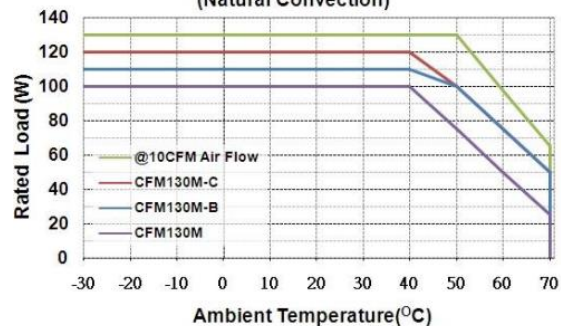


## Sager Power Systems Product Showcase – June 2020



**CFM130M Series Derating Curve**

Output Power & Ambient Temperature  
(Natural Convection)



### Considerations When Selecting an AC-DC Open-frame Power Supply

There are two major considerations in choosing a power supply unit (PSU) - Class I vs. Class II, and heat dissipation of the power supply. When it comes to determining if the PSU requires a Class I or a Class II input, what are the specific factors that should be considered? Heat is also a major factor in the performance of a PSU. Understanding how to reduce the temperature of the power supply and maintain high output performance is a critical concern.

**Cincon explores these considerations and offers advice for sourcing the right open-frame power supply** - [click here to continue reading](#), [view our latest video](#), or contact a [Sager Power Systems Sales Engineer](#) to find out how our team can help.

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



### **Changeable DC Plug Converter for External Adapters**

Changeable DC Plug Converters allow easy modification for different style DC plugs. The DC power adaptors provide global safety, high reliability, and standard product availability without MOQ. Users can utilize the matching converter to enable a direct connection to their application. This allows a simple, convenient, and quick solution to solve end-user needs.

### **PCA Series 300W Digital AC/DC Power Supplies**

PCA300F 300W Enclosed Type AC-DC Power Supplies are general-purpose power supplies with digital communication via UART or PMBus. Can be used as multipurpose power supplies with high density and high efficiency up to 92%. The series can operate from -20°C to 70°C (with derating).

### **150W Industrial AC/DC Desktop Supply**

PUP150N3 series of AC/DC switching power supplies are for 150 watts of continuous output power. They are enclosed in a 94V-0 rated plastic case with an IEC320/C14 or IEC320/C6 inlet to mate with interchangeable cords for world-wide use.

### **TEA Series 1 Watt DC/DC SIP Converters**

The new TEA line consists of three unregulated 1 Watt DC/DC SIP converter series, designed to offer a low-cost solution while keeping a high quality standard. These series minimize component and labor cost by focusing on a simple but effective design approach.

**Features:**

- Total of 17 types
- Flexible solution for small quantities
- Off-the-shelf and no MOQ

[More info...](#)**Features:**

- Low profile: (41mm, 1.61 inch - meets 1U height)
- ANSI/AAMI ES60601-1, EN60601-1 3rd, IEC60601-1-2 4th Ed.
- Output voltage can be varied to near 0V

[More info...](#)**Features:**

- No load power consumption less than 0.15W – Level VI
- Overvoltage, short circuit, overcurrent, over temperature protections
- High efficiency,  $\geq 89\%$

[More info...](#)**Features:**

- Highly cost efficient design
- I/O isolation: 1'500 VDC or 4'000 VDC
- SIP-4 or SIP-7 package

[More info...](#)**Showcase Standouts - BF (body floating) Rated Power Supplies**

The international medical safety standard IEC 60601-1 uses the term applied part to be the part of the medical device that comes into physical contact with the patient in order for the device to carry out it's intended function. Type BF is generally for devices that have conductive contact with the patient, i.e., blood pressure monitors, ultrasound, and incubators.

**BF Rated Standouts:**

[CUS600M - TDK-Lambda](#) - 600W 3"x5"

AC/DC power supply

[RPS-120S - MEAN WELL](#) - 120W 2"x3" AC/DC power supply

[VCCM600 - Vox Power](#) - 600W 4"x7" Modular AC/DC power supply

[MWLP225 - EOS Power](#) - 225W 2"x4" low profile AC/DC power supply

[TIM 3.5 - TRACO Power](#) - 3.5W .95" x .57" x .40" low leakage DC/DC converter



[Click here](#) to share your thoughts.

**Tech Team Corner**

Did you know Sager Power Systems is a team of highly trained, technically experienced professionals dedicated to power, thermal and battery technology? Comprised of Power Systems Sales Engineers (PSE), value-add engineers, technical specialists and more, the Sager Power Systems team is available to support all of your power system requirements.

- 15+ years of experience designing power, integration and system architecture
- Electrical and mechanical engineers, and power and battery technicians
- Knowledge of regulatory issues and trends
- Trained on leading power systems technology

In next month's issue, meet Lisa Auffrey, PSE.

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



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