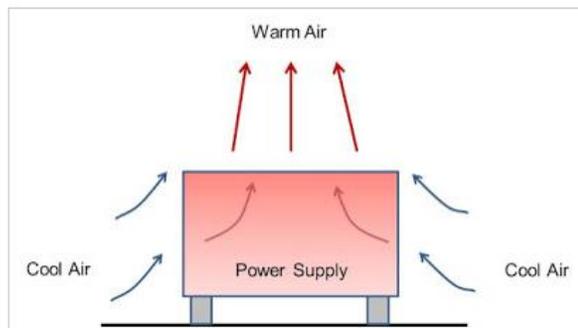


### Sager Power Systems Product Showcase - March 2020



#### How do you evaluate a convection cooled power supply's performance?

Evaluating a power supply's performance is an important topic as testing methods across the industry differ significantly. Before you select a power supply, it is advisable to review not only the datasheet, but also the supplier's evaluation report, reliability data, and safety files. TDK-Lambda offers insight into why this additional information is critical during the design-in phase, and how care taken during the early stages of product development can help you avoid last minute launch delays.

**Figure 1: Natural airflow around a convection cooled power supply** [Learn more here](#) or contact a [Sager Power Systems Sales Engineer](#) to find out how our team can help.

# *TDK-Lambda*

## New and featured products from [Sager Power Systems](#)



### 60W DIN Rail DC/DC Converters DDRH-60 Series

The DDRH-60 Series 60W Din Rail DC/DC Converters are suitable for solar and wind-powered renewable energy applications and DC power-distribution systems that require voltage conversion from high voltage to low voltage DC. Featuring 150~1500VDC ultra-wide input range, 4KVDC input-output isolation, -30°C ~ 80°C wide temperature range, and operating altitude up to 5000m.

#### Features:

- 57mm slim width, saving DIN rail space



### RACM550-G Medical-Grade AC/DC Converters

The RACM550-G Medical-Grade AC/DC Converters offer high power in a compact 5" x 3" package. These components are capable of 300W continuous power with conduction cooling as well as 550W for dynamic peak loads with forced air.

#### Features:

- 300W baseplate-cooled, fanless operation
- 550W peak power or forced air rating

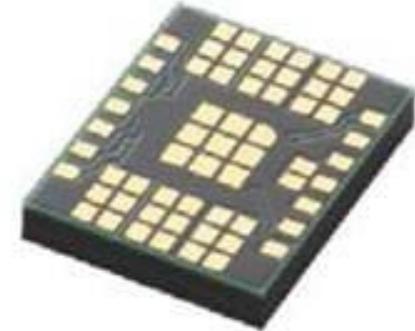


### THN 10WIR Encapsulated PCB Mount DC/DC Converters

The THN 10WIR DC/DC series are ruggedized 10W converters designed for high reliability in harsh environments. Offering high resistance to electromagnetic interference (EMI), shock/vibration, and thermal shock. Meets EN 45545-2 qualification for fire behavior of components and has IEC/EN/UL 62368-1 approval.

#### Features:

- Compact 1" x 1" metal package



### Ultra Small MYMGC Non-Isolated POL DC/DC Converters

The MYMGC Multi-Output Non-Isolated MonoBlock Type POL DC/DC Converters are equipped with multiple high accuracy voltages and complex sequential control functions. The multi-output enables simple configurations of power supply rails of FPGA as well as reducing the mounting area on the power supply rails of the FPGA by the downsizing of the module with unique packaging technology.

#### Features:

- Built-in DC OK relay contact
- Adjustable output voltage (100~120%)
- Safety approvals: EAC / CE (IEC62109-1, EN55302)
- Dimensions (WxHxD): 57 x 93.5 x 105mm

**More info...**

- Universal AC input range of 80VAC to 264VAC
- <0.5W standby power consumption
- -40°C to 70°C operating temperature range
- Can operate in altitudes up to 5000m
- 2XMOPP certification

**More info...**

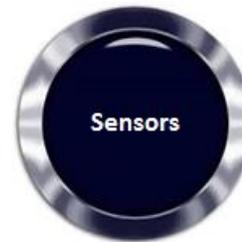
- EN 50155 and EN 61373 approval
- Wide 4:1 input voltage: 9V to 36VDC, 18V to 75VDC, 36V to 160VDC
- Operating temperature range -40°C to 80°C without derating
- High efficiency up to 90%

**More info...**

- Small solution size including the product and external capacitors
- High-speed load response with fewer external capacitors
- Operating temperature range: -40°C to 85°C
- Product size: 15.0mm x 12.0mm x 2.4mm (SMD type)

**More info...**

In addition to our world-class standard, [modular and custom power supply solutions](#), Sager offers [interconnect](#) and [electromechanical](#) components including [thermal management](#) and [sensors](#) from leading manufacturers worldwide.



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

