Panasonic Industry Europe GmbH

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**Unparalleled capacitance for miniaturized designs: Panasonic Industry launches new ZL Series** **Hybrid capacitors**   
  
The compact and AEC-Q200 compliant EEH-ZL Series stands out with industry-leading capacitance and high Ripple Current specs

Munich, MARCH 2024  
  
The ZL series is the latest offspring of Panasonic Industry’s Electrolytic Polymer Hybrid capacitor portfolio. Related to its compact dimensions, it offers unrivalled capacitance values - and hence might evoke a remarkable market echo:   
  
**Capacitance**: For five case sizes from ø5x5.8 mm to ø10x10.2 mm, the ZL series offers the largest capacitance in the industry and exceeds the values of competitor standard products by approximately 170%.   
  
**Ripple Current** performance outnumbers the competitor products’ specs besides lower ESR within the same case size.  
  
The new ZL is AEC-Q200 compliant, enforcing strict quality control standards, particularly crucial for the automotive industry. It boasts high-temperature resistance, and is guaranteed to operate at 125°C and 135°C at 4000h. With a focus on durability, the ZL series offers vibration-proof variants capable of withstanding shocks up to 30G, making it a reliable choice.

In summary, this next-generation, RoHS qualified Hybrid Capacitor stands as the ultimate solution for automotive and industrial applications, where compact dimensions are an essential prerequisite.  
  
Tailored for use in various automotive components including water pumps, oil pumps, cooling fans, high-current DC to DC converters, and advanced driver-assistance systems (ADAS), it also proves invaluable in industrial settings such as inverter power supplies for robotics, cooling fans, and solar power systems. Furthermore, it serves a pivotal role in industrial power supplies for both DC and AC circuits, spanning from inverters to rectifiers, and finds essential application in communication infrastructure equipment such as base stations, servers, routers, and switches.

Learn more about Panasonic’s entire portfolio of [Electrolytic Polymer Hybrid caps.](https://industry.panasonic.eu/products/components/capacitors/hybrid-capacitors)

**About Panasonic Industry Europe GmbH**

Panasonic Industry Europe GmbH is part of the global Panasonic Industry organization, one of the five major operating companies within Panasonic Holding. Panasonic Industry Europe provides products and services for industrial customers all over Europe.   
Panasonic Industry Europe is committed to enabling customers to achieve their goals in a broad range of industrial sectors such as mobility, infrastructure, automation, medical, appliances, smart living, and security. With the know-how of devices and solution technologies, cultivated through a global mindset and over a century of tradition, Panasonic Industry collaborates closely with customers to create a sustainable future.

Panasonic Industry Europe’s broad and diverse product portfolio encompasses key electronic component sectors including electromechanical and passive components, batteries and other energy products, sensors and wireless connectivity modules, thermal management materials and custom solutions, as well as automation devices & solutions.

More about Panasonic Industry Europe: <http://industry.panasonic.eu>

**About the Panasonic Group**

Founded in 1918 and today a global leader in developing innovative technologies and solutions for wide-ranging applications in the consumer electronics, housing, automotive, industry, communications, and energy sectors worldwide, the Panasonic Group switched to an operating company system on April 1, 2022, with Panasonic Holdings Corporation serving as a holding company and eight companies positioned under its umbrella.

The Group reported consolidated net sales of Euro 59.40 billion (8,378.9 billion yen) for the year ended March 31, 2023. To learn more about the Panasonic Group, please visit: <https://holdings.panasonic/global/>