Panasonic Industry Europe GmbH

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**New polymer hybrid capacitors benefit from highest ripple current handling capability combined with largest capacitance and lowest ESR values**  
Panasonic Industry releases new ZUU series

Munich, August 2023

The newly introduced ZUU series of conductive polymer hybrid aluminium

electrolytic capacitors from Panasonic Industry benefit from some of the best technical specifications currently available on the market for this type of capacitor. ZUU series components feature the highest ripple current handling capability of 6.1 Arms maximum (a 60% increase over our previous series) at both 125°C and 135°C, together with the largest capacitance value of 1,000μF maximum (an 80% increase over our previous series) and the lowest ESR value of 8mΩ minimum. The lifetime of the capacitors is also very good with 4000h at both 125°C and 135°C.

Fully AEC-Q200 compliant, ZUU series polymer hybrid capacitors are ideal for use in several ‘under the hood’ automotive applications like pump, electric power steering, cooling fans, high current DC to DC converter and ADAS. Further target applications are telecommunications (DC to DC converter and AC to DC converter in base stations, servers, routers and switches), industrial (inverter power supply in robotics) as well as general power supplies (DC side of both inverter and rectifier circuits). Upon request also vibration-proof variants of ZUU capacitors with 6mm diameter or greater are available These devices can withstand shocks of as much as 30G. Standard parts can withstand 10G maximum.

With several production sites around the world, Panasonic Industry offers the highest production capacity for polymer hybrid capacitors in the world, ensuring lead times are always as short as possible.

To learn more about Panasonic Industry’s new ZUU series polymer hybrid capacitors please visit: [Productfinder | Panasonic Industry Europe GmbH](https://industry.panasonic.eu/productfinder?mode=FILTER_MODE&group=Capacitors&category=Hybrid+capacitors&lineup=Conductive+Polymer+Hybrid+Aluminum+Electrolytic+Capacitors&series=ZUU+%28High+temp.+reflow%29)

**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/>