

PRESS RELEASE

## 600VDC newly added into PFC/Smoothing Automotive Film Capacitors

Panasonic Industry has recently expanded the voltage range of the AEC-Q200 qualified ECWFG series to 600VDC.

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The metallized polypropylene film capacitor benefits from Panasonic original in-house patterned metallization process with fuse mechanism function. This unique technology delivers stable capacitance level over the product lifetime and therefore guarantees a higher reliability of the application.

ECWFG series now features a broad rated voltage range of 600VDC up to 1100VDC, and a nominal capacitance range of 0.1 $\mu$ F up to 12 $\mu$ F. Operating temperature range is from -40°C up to 110°C. This enables it to cater to most of the high frequency and high current circuitry in this segment.

ECWFG series offers high humidity resistance (85°C, 85% RH), high thermal shock resistance (-55°C up to 85°C, 1000 cycles), and a high temperature load test (125°C). A flame-retardant plastic case and non-combustible resin are utilized leading to accreditation in accordance with UL/CSA and European safety regulation for class X2. All the products are fully RoHS and REACH compliant.

Functioning as Power Factor Correction or Smoothing capacitors, ECWFG series is ideal for a broad spectrum of applications including DC/DC, DC/AC, AC/DC converter, input and output filtering, or snubber for industrial power supply, EV / PHEV charger and inverter applications for Renewable Energy.

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### About Panasonic

Panasonic Corporation is a global leader developing innovative technologies and solutions for wide-ranging applications in the consumer electronics, housing, automotive, and B2B sectors. The company, which celebrated its 100<sup>th</sup> anniversary in 2018, operates 522 subsidiaries and 69 associated companies worldwide and reported consolidated net sales of Euro 54.02 billion (6,698.8 billion yen) for the year ended March 31, 2021. Committed to pursuing new value through collaborative innovation, the company uses its technologies to create a better life and a better world for customers. Learn more about Panasonic: <http://www.panasonic.com/global>

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### About Panasonic Industry Europe

Panasonic Industry Europe GmbH is part of the global Panasonic Group and provides automotive and industrial products and services in Europe. As a partner for the industrial sector, Panasonic researches, develops, manufactures and supplies technologies that support the slogan "A Better Life, A Better World".

The company's portfolio covers key electronic components, devices and modules up to complete solutions and production equipment for manufacturing lines across a broad range of industries. Panasonic Industry Europe is part of the global company Panasonic Industrial Solutions.

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