

Compact 6W DC/DC Converters with 4:1 Input in Two Proven Package Formats

RECOM has introduced two new 6W isolated DC/DC converter series—the REC6K-AW and REC6K-RW—designed for cost-sensitive, space-constrained industrial applications. Both feature a wide 4:1 input voltage range (9–36VDC or 18–75VDC), regulated single and dual outputs from 3.3VDC to 24VDC (including $\pm 5V$, $\pm 12V$, and $\pm 15V$ options), and deliver up to 6W of power with output currents up to 1.5A. They require no minimum load, increasing their versatility.

The converters include comprehensive protection features such as short-circuit, overcurrent, overvoltage, and undervoltage lockout, while operating reliably in harsh environments from -40°C up to $+100^{\circ}\text{C}$ (or $+105^{\circ}\text{C}$ with derating).



The REC6K-AW comes in a compact 1" x 1" package, offering 1500VDC isolation, a $\pm 10\%$ output trim function, and an ON/OFF control pin on single-output models. The REC6K-RW, housed in a DIP24 package, provides higher 4000VDC isolation for applications requiring enhanced electrical separation, with optional control functionality on selected models.

According to RECOM Product Manager Julia Gasperlmayr, the two series provide developers with a choice between maximum board-space efficiency and high isolation while combining wide input ranges, regulated outputs, robust protection, and extended temperature performance. Both product families are backed by a three-year warranty, with samples and OEM pricing available through RECOM and its authorized distributors.

Datasheets and additional information can be found on: <https://recom-power.com>