



Press Information

SL Power Announces Four New Families of Open Frame Power Supplies with Medical and Industrial Safety Approvals

[SL Power](#), an industry leader in the design and manufacture of power conversion solutions, today announced new additions to the [GB series](#) of open frame or PCB mount ac-dc power supply families. The new GB10, GB20, GB30, and GB40 families will be certified to medical and industrial safety approvals. They will also meet heavy industrial safety levels of electromagnetic compatibility (EMC) immunity standards. The series consists of four families, with [10](#), [20](#), [30](#) or [40](#) watt power ratings and each family includes models with output voltages ranging from 5 to 48 V. The power supplies can accept a universal input range from 90 to 264 Vac over the wide temperature range of minus 20 to plus 70 degrees Celsius, with derating above 40 degrees Celsius.

The high performance of SL Power's new GB series power supplies, with market-leading EMI/EMC characteristics and long product life, makes it easier for medical and industrial original equipment manufacturers (OEMs) to integrate these power conversion units into their products. These units are approved to medical and industrial safety standards: EN/IEC/UL60601-1, 3rd edition (with 2xMOPP isolation), and EN/IEC/UL62368-1. In addition, they are designed to meet the EMC requirements per UL/EN/IEC60601-1-2, 4th edition (Heavy Industrial levels of EN61000-4-x standards).

"With a typical efficiency of greater than 88 per cent and less than 0.1 watts no load input power, the GB series balances the key performance criteria of **T**hermal management, **R**eliability, **E**MI/EMC margin, **P**ower density and **P**ower efficiency," said Paul Kingsepp, Global Product Line Manager, SL Power. "SL Power uses the acronym TREPP in its approach to evaluating these parameters and focuses on creating a power solution that is easy for customers to integrate into their applications by balancing all five. We regularly compare our power supply designs against competing units and publish the data to show how we compare. It's all part of our open and honest approach to partnering with companies that make medical products that save and sustain lives, and test and measurement applications that ensure precision."

Long life electrolytic capacitors (e-caps rated over at least 8 years, with some rated over 10 years) and a high MTBF (one million hours) underline the reliability of these new power supplies while a three-year warranty gives customers confidence in their choice of power conversion partner.

The GB families are available from SL Power's [worldwide network of authorized distributors](#).

About SL Power Electronics

SL Power Electronics (a subsidiary of Steel Partners Holdings L.P.) is a global leader in developing differentiated internal and external AC-DC power conversion solutions for medical, test & measurement, and LED applications. Headquartered in California, USA, SL Power Electronics has a global technical support center in Massachusetts and manufacturing facilities in Mexico and China. For almost 60 years, SL Power has offered original equipment manufacturers turnkey power conversion solutions for their most mission critical applications, ranging from standard products to modified standard and completely custom solutions. At SL Power, we power what matters™.

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