

## Intepro's 4U Rack Unit Integrates 30 KW Auto-Ranging DC Supply with Energy-Recovering DC Load

*Bi-directional package replaces individual programmable source and programmable load; regenerative load returns 93% of test energy to the grid; units can be operated in parallel for loads up to 1.08 MW*



Tustin, CA— January 30, 2020—[Intepro Systems](#) announces the availability of its Model PSB 10000 30 KW programmable digital power supply/load. The PSB 10000 Series is a microprocessor controlled bi-directional supply that features two devices in one: an electronic DC load with energy recovery and an auto-ranging DC power supply. This allows for two-quadrant operation in an efficient and easy-to-use instrument. Combining the features of a programmable source and regenerative programmable load into one chassis frees up rack space and reduces generated heat all while recovering loaded energy back to the grid.

[\[click on image to download hi-res JPG\]](#)

The unique capability of the PSB 10000 is the unit's ability to be programmed to seamlessly switch between source and sink with no "off" time. When operating as the load, the device synchronizes with its 3-phase power input to recover upwards of 93% of the energy. When operating as a source, the unit has an efficiency of up to 93%, generating less heat in both modes. This provides further energy savings by reducing the cooling costs in the test environment

"If you are looking at solutions for charge & discharge testing, the PSB 10000 Series can provide you with a quick ROI and can be easily integrated into existing test environments," said Gerard Sheehan, Intepro's Chief Technical Officer.

The PSB 10000 features a wide range 3-phase input voltage 342-528V, 45-66 Hz, with output voltage ratings of 60V – 2,000V and current ratings from 40A-1000A. The device includes a wide range of programmable functions to simulate complex testing such as electric vehicle load profiles, battery charging, PV simulation per EN 50530 and MPP tracking and others. Multiple PSB 10000 units can be operated in a master-slave configuration providing source/load capabilities up to 1.08 MW.

For more information about this product, please download the Intepro [PSB 10000 Data Sheet](#) or visit the Intepro Systems website at: <https://www.inteproate.com/dc-supplies/psb-10000-dc-power-supply>.

**Price:** Starting at \$19,540.

**Availability:** 14 weeks

### About Intepro Systems

Intepro Systems instrumentation and systems test and validate power supply systems and components used in aerospace, military, telecommunications, and other power electronics applications. Leaders in power supply testing; the company has a global reach with direct sales offices in the U.K., Ireland, China and the USA, and distributors covering the rest of the world

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