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Programmable DC Power Supply Packs Up To 50 kW In 4U Package

[Intepro Systems'](#) Ainuo ANEVH(F) series of programmable dc power supplies/loads offer models with power ratings from 5 kW to 30 kW in 3U, to an industry-leading 50 kW in a 4U rack-mounted package, according to the vendor. The power supply integrates dc power and feedback load. It can function as a source that outputs power to the outside world. It also functions as a sink that absorbs power and returns it cleanly to the grid to achieve true bidirectional operation.

By combining programmable-source and regenerative-programmable-load features into one chassis, the ANEVH(F) series frees up rack space and reduces generated heat, all while recovering load energy back to the grid (see the figure).

The ANEVH(F) can be seamlessly interfaced with PowerStar, Intepro's premier Program without Coding test environment. PowerStar is designed to be the complete power supply test software and test development platform for systems, benches and labs. Its hardware-independent test software and fill-in-the-blank programming make PowerStar well suited as a platform for engineers who need the ability to customize their programs, without having to write code or assemble graphical components.

Pricing starts at 8730 with lead times of 6 to 8 weeks. For more information about this product, please download the [ANEVH\(F\) data sheet](#).



Figure. The ANEVH(F) series of bidirectional programmable dc test power supplies includes seven voltage levels covering a voltage range from 0 V to 2250 V, supports the parallel operation of multiple units, and is expandable up to >1 MW in maximum power. The power supply's energy flows bidirectionally with automatic seamless switching. It offers high power density, fast dynamic response characteristics, built-in function generators and standard test curves, and the ability to generate multiple waveforms freely.