

Dear Customer,

We are pleased to announce the successor to Delta Elektronika's first generation SM 6000, the SM6K. The new SM6K series brings the 6kW range onto the same **bidirectional, regenerative, and constant-power** architecture and modular interface concept as the SM15K, while updated electronics improve temperature coefficient, long-term stability, minimum sink voltage and Ethernet connectivity. This announcement introduces the new SM6K series, summarizes the key specifications, announces the end of production of the SM6000 series, and outlines the transition.

The SM6K Series

The SM6K is a power supply series featuring bidirectional and constant-power output. It contains all standard functions of the SM15K series, such as Ethernet control, digital control, function blocks and more. Like the SM15K and SM3300, the SM6K provides four slots that are compatible with the ANYBUS pluggable extension modules. This enables a modular approach to extending functionality and interfacing capabilities, such as high-performance Master/Slave operation and a diverse choice of industrial automation protocols.

The SM6K series will consist of the following models:

Model	Availability
SM40-CP-450*	Mid-March 2026
SM75-CP-250*	Mid-April 2026
SM330-CP-55	Yet to be specified
SM1000-CP-18	Yet to be specified

A preliminary data sheet featuring the SM40-CP-450 can be downloaded here: [Preliminary Data sheet SM6K](#).

*Available for order



Specifications

The SM6K is the 6kW counterpart to the SM15K and incorporates new and improved technology. Compared to the SM15K, the SM6K offers a better temperature coefficient and long-term stability, a lower minimum sink voltage (on the low-voltage model) and a 1 Gbit Ethernet interface. The SM6K will be launched with a renewed software architecture, starting with the same user experience as the SM15K. This new software architecture will enable future software developments.

The SM6K continues the Delta DNA and improves upon the SM6000 with excellent efficiency, dynamics, low ripple, low EMI, excellent EMC, great reliability and the well-known user-friendly UI paired with low audible noise.

In terms of programming speed, the SM6K is significantly faster than a standard SM6000. Only an SM6000 equipped with the high-speed programming option can match the fastest step times specified for the SM6K.

End of production SM6000

The production of the SM6000 series will stop in February 2026. Please place last orders for the SM6000 series as soon as possible, so that we can plan production accordingly until February. Currently, a finite stock of SM6000 models and spare parts is being built. After production stops, orders can be placed as long as stock lasts.

The new generation of 6kW power supplies, the SM6K, will offer many more capabilities and functionality than its predecessor, the SM6000 series, at a strongly reduced form factor. This eases integration into existing systems.

Based on the output range, the following SM6K models replace the listed SM6000 models in the table below. Because of the constant-power characteristic, each SM6K model typically covers multiple SM6000 voltage/current combinations.

SM6K model	SM6000 model
SM40-CP-450	SM15-400 SM30-200
SM75-CP-250	SM45-140 SM60-100 SM70-90
SM330-CP-55	SM120-50 SM300-20
SM1000-CP-18	SM600-10

All SM6000 interface options have an equivalent or extended function in the SM6K interface module family. An example of possible interfacing replacements is shown in the table below.

SM6K	SM6000 options
Standard Ethernet	The ETH2 option. Ethernet programming, sequencer, and web interface are standard in the SM6K.
INT-MOD-ANA	The standard analog programming port is covered by the ANA module. The module additionally adds isolation.
INT-MOD-SER	The RS232 option. The SER module offers RS-232 and multiple other serial protocols.
INT-MOD-MS2	The MS2 module offers significantly improved Master/Slave compared to the standard version in the SM6000.
INT-MOD-ANY	The ANY module brings back CAN as CANopen and PROFIBUS.
INT-MOD-DIG	The DIG module brings Digital IO, not available on the SM6000.
INT-MOD-CON	The CON module adds a floating interlock and isolated relays. Not available on the SM6000.

Communication and Information

The models of the SM6K series will become available in order of low output voltage to high output voltage. As mentioned before, the first two models can be ordered as of now. The specifications of the first model are listed as preliminary and typical in the preliminary datasheet. Specifications, availability dates, and prices for the remaining models will follow in future announcements.

If you have any questions, please contact us.

Kind Regards,

Regards,

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