

SPS IPC Drives 2018, Hall 11

New power supply for a wide variety of applications

- **New standard power supply for 12 V and 24 V applications**
- **High overload capability and energy efficiency**
- **Condition monitoring by means of diagnostics monitor and interface**
- **Rugged wide-range input, also suitable for direct voltage**

Siemens is bringing a new line of particularly powerful and rugged power supplies to the market: The devices of the Sitop PSU6200 line can be used for a variety of purposes and offer extensive functions for targeted diagnostics, fast assembly and reliable operation. In addition, the single-phase 12 V and 24 V power supply units have a wide-range input for alternating voltage which also enables the connection to direct voltage and is particularly resistant to undervoltage and overvoltage. The high effectiveness of up to 95 percent and the efficient heat dissipation through the metal enclosure keep the heat generation low. The compact power supply units can therefore be arranged in a space-saving manner without lateral installation clearances to other devices. Typical applications include standard machine, control cabinet and system construction in the automotive, textile, food & beverage and pharmaceuticals industries, as well as the field of renewable energies.

The connection terminals with push-in technology and their clear labelling enable fast and secure wiring. The power supply units from 10 amps inform users about the status of the device and the operating state. The diagnostics monitor indicates by means of LEDs whether the output voltage is correct, how high the load is and whether the end of its service life is approaching. In addition, via the diagnostics interface, users receive information about voltage and current values, the temperature status and the number of undervoltages and overvoltages at the output. Only one digital input of a controller (PLC) is required for the diagnostics. Free-of-

charge function blocks for Simatic S7-1200 and S7-1500 evaluate the serial code and faceplates facilitate visualization in WinCC. The comprehensive condition monitoring enables users to respond promptly to critical conditions and thereby to make the supply of the control circuit even more secure.

The single-phase power supply units are available in different power classes with rated output currents from 1.3 to 20 A. The variants from 3.7 A also feature power reserves ("extra-power") which secure the power supply for up to 5 seconds, even in the event of 50 percent overload, for example during switch-on procedures. The constant current behavior limits the current in the event of higher overloads and maintains the output voltage for as long as possible. In this way, even brief short-circuits can be detected. The rugged devices continuously supply 20 percent more than their rated current, even at ambient temperatures of up to 45 ° Celsius.

The reliable Sitop PSU6200 product family is the new standard power supply that is also suitable for customers with high technical requirements. For example, the devices already comply today with the EMC standard, which will only become binding for the DC output from 2020. Users can expand the power supply units with additional modules (Sitop add-on modules) – for example, with redundancy and selectivity modules – in order to improve the reliability even further. Devices can also be expanded to form an uninterruptible 24 V power supply (DC UPS).



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For further information on the Sitop PSU6200

<http://www.siemens.com/sitop>

You can find this press release at

www.siemens.com/press/PR2018110049PDEN

For further information on Siemens at the SPS IPC Drives 2018, please see

www.siemens.com/sps-ipc-drives and www.siemens.com/press/sps2018

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