



**SEMI-INDUSTRIAL
UPS SYSTEM**

S9300 10-40 kVA

Key features

- ▶ Online UPS with high efficiency up to 96 %
- ▶ Power factor >0,99; THDi <3 %
- ▶ Large power range 10-40 kVA
- ▶ Without power transformers
- ▶ Friendly operation, high resolution LCD screen
- ▶ Battery management with smart charging control

Operational benefits

- ▶ Highest reliability at compact footprint
- ▶ No reactive power consumption
- ▶ Consistent operation over full range
- ▶ Compact and lightweight construction
- ▶ Easy control and supervision of system
- ▶ Extended battery lifetime

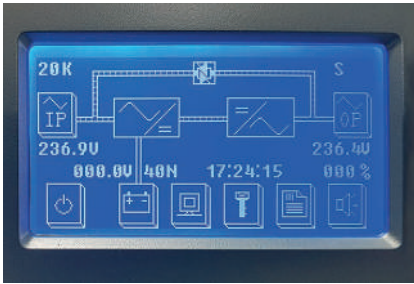
S9300 – Reliable UPS for Semi-Industrial applications

The S9300 is a robust UPS solution for all semi-industrial applications, such as data centres, production facilities, back-up systems in the health sector, banks, chemical processing units, public buildings or in other infrastructure systems. The compact UPS system S9300 is the reliable solution for all critical infrastructure.



Reliability through modern design

- Double conversion online UPS with high efficiency (up to 96 %) and compact construction
- High efficiency thanks to ECO-Mode
- Output designed for PF 1.0 (10-15 kVA), PF 0.9 (20-40 kVA) loading
- Power factor corrected (PFC) rectifier, PF 0.99, THDi <3 %
- Battery management with smart charging control
- Battery cold start
- Power transformer free UPS design leads to low weight and high efficiency
- High resolution LCD screen
- Comprehensive set of communication options for flexible remote monitoring SNMP, RS485, Modbus
- Same handling over full power range



Modern Human Machine Interface

The high resolution LCD screen of the S9300 facilitates a comprehensive and flexible human machine interface (HMI). An easy and intuitive operation and control of the system is achieved through:

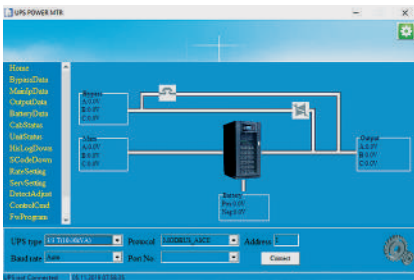
- Intuitive menu structure
- Mimic diagram
- LED status indications



Includes many advantageous features in standard configuration

In contrast to the market standard, the S9300 system includes many advantageous features already in the standard configuration, such as:

- RS232/RS485/Modbus interface
- External digital inputs
- Input-, output- and manual bypass switches



Remote communication

The S9300 systems offer various possibilities for the integration into overlaying control and monitoring systems. It offers various digital inputs, such as:

- Remote emergency off
- External battery breaker
- Generator operation

Optional communication parts are available, such as:

- Modbus-TCP/IP (Ethernet)
- Modbus-RTU (RS485)
- Dry-contact relay board
- SNMP (Ethernet) communication board



Reliable battery use and management

Battery monitoring and management is a key factor for a reliable and durable power back-up. The Statron S9300 has class leading built-in features, such as:

- Battery availability check
- Battery monitoring (constantly updated battery capacity and battery back-up time)
- Manual partial discharge testing for 30 sec.
- Compatible with different battery types
- Two charge voltages battery
- Individual battery charge current limitations (1-20 % of UPS capacity)

Technical specification | S9300 10–40 kVA

Rated output power kVA		10	15	20	30	40
Rated output power kW		10	15	18	27	36
AC / AC efficiency (VFI - online double conversion)	@ 25 % load	92.0 %	92.0 %	92.5 %	92.5 %	93.0 %
	@ 50 % load	93.5 %	93.5 %	94.0 %	94.0 %	94.5 %
	@ 75 % load	94.0 %	94.0 %	94.5 %	94.5 %	96.0 %
	@ 100 % load	94.0 %	94.0 %	95.0 %	95.0 %	96.0 %
Rated input voltage		400 V AC				
Tolerance		-20 / +15 %				
Input frequency (selectable)		50-60 Hz				
Tolerance		+ / -10 %				
Input current harmonic distortion (THDi) (at rated voltage, THDv < 0.5 %)	@ 25 % load	< 5				
	@ 50 % load	< 4				
	@ 75 % load	< 4				
	@ 100 % load	< 3				
Output voltage static stability		+ / -1.5 %				
Rated output current (@ 400VAC)		14.4 A	21.6 A	28.8 A	43 A	58 A
Overload capability	> 100...110 %	60 min				
	> 110...125 %	10 min				
	> 125...150 %	1 min				
	> 150 %	100 ms				
Short circuit current (200 ms)		43.3 A	65 A	86.7 A	130 A	174 A
Short circuit characteristic		Current limited electronic protection				
Output wave form		Sinusoidal				
Automatic bypass		Electronic thyristor switch				
Protection		Fuses				
Rated input voltage (selectable)		380 – 400 – 415 V AC				
Tolerance		-20/+15 %				
Overload capability		125 % continuously (Bypass)				
		3x I nom 200ms				
Manual bypass		Electronically controlled				
Rated output power kVA		10	15	20	30	40
Rated output power kW		10	15	18	27	36
General Data						
Ambient temperature		UPS 0÷40 °C				
Relative humidity (non condensing)		< 95 %				
Altitude		< 1000 m (above sea level)				
Power derating for altitude > 1000 m		IEC/EN 62040-3 (1 % every 100 m)				
Cooling		Forced				
Acoustic noise (IEC/EN 62040-3)		< 58 dB		< 65 dB		
Protection degree		IP20				
Colour / Paint		RAL 7021 (other colour optional)				
Safety		IEC/EN 62040-1				
EMC		IEC/EN 62040-2				
Performance & Test		IEC/EN 62040-3				
Conformity		CE-Label				
Accessibility		Front and back access				
Installation		500 mm from the wall (wheels for moving included)				
Front panel		LCD				
Serial communication interface		Standard: RS232/USB/RS485 (ModBus RTU protocol) Optional: SNMP				
Parallel configuration (optional)		Up to 7+1 (parallel redundant) Up to 8 (power parallel)				
Height* (mm)		715		1335	1335	1400
Width* (mm)		250		350	350	500
Depth* (mm)		840		738	738	840
Weight* (without internal batteries) (kg)		51	52	89	89	140

* dimensions for IP20 and basic configuration
Further data available on request

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