



**SEMI-INDUSTRIAL MODULAR
UPS SYSTEM**

S6300e 20-500 kVA

Key features

- ▶ Modular, Online UPS with high efficiency up to 95 %
- ▶ Power factor >0,99; THDi <3 %
- ▶ Large power range 20-60 kVA; 50-500 kVA
- ▶ Without power transformers
- ▶ Friendly operation, high resolution LCD touch screen
- ▶ Battery management with smart charging control
- ▶ Smart sleep function
- ▶ Hot swappable module replacement

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
- ▶ Increase efficiency of the total system
- ▶ No shutdown for replacement needed

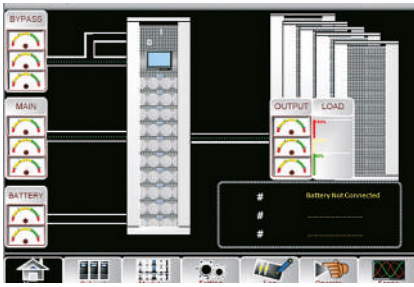
S6300e – Reliable modular UPS for Semi-Industrial applications

The S6300e is a robust UPS Solution for all modular UPS applications, such as data centres, production facilities, back-up systems in the health sector, banks, public buildings or in other infrastructure systems. The compact UPS system S6300e is the reliable solution for all critical infrastructure.



Reliability through modern design

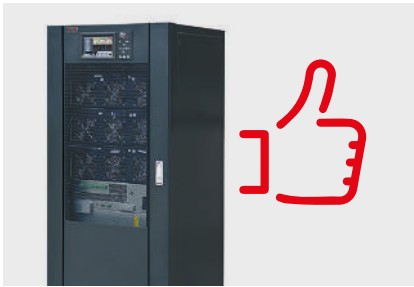
- Advanced 3-level technology, which allows high efficiency (up to 96 %) in double conversion mode and compact construction
- 99 % efficiency in ECO-Mode
- Output designed for PF 0.9 with 20 kVA and 50 kVA modules
- Power factor corrected (PFC) rectifier, PF 0.99, THDi <3 %
- Battery management with smart charging control
- Battery cold start
- High scalability up to 1,5 MVA
- Power transformer free UPS design leads to low weight and high efficiency
- High resolution touch LCD screen
- Comprehensive set of communication options for flexible remote monitoring SNMP, RS485, USB, Modbus, pot. free contacts
- Hot swappable battery modules (20-60 kVA)
- Smart sleep function (shutdown of power modules to increase efficiency)



Modern Human Machine Interface

The high resolution LCD touch screen of the S6300e facilitates a comprehensive and flexible human machine interface (HMI). An easy and intuitive operation and control of the system is achieved through:

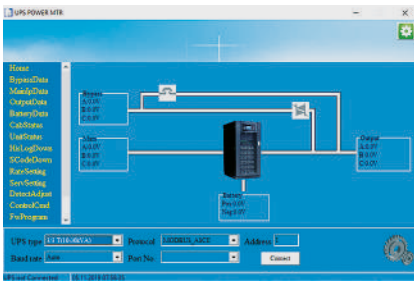
- Intuitive menu structure
- Mimic diagram
- LED status indications
- Measurements of each module
- 5.7" Display 20-60 kVA
- 10.4" Display 50-500 kVA



Includes many advantageous features in standard configuration

In contrast to the market standard, the S6300e system includes many advantageous features already in the standard configuration, such as:

- RS232/RS485/Modbus interface
- External digital inputs
- Manual bypass switch
- High over load capability 150% - 1min



Remote communication

The S6300e 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)
- USB-connection
- 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 S6300e 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 | S6300e 20–500 kVA

Rated output power kVA		20	40	60	100	200	300	500	
Rated output power kW		18	36	54	90	180	270	450	
AC/AC efficiency	@ 100 % load AC Mode	95 %	95 %	95 %	95 %	95 %	96 %	96 %	
	@ 100 % load ECO Mode	99 %	99 %	99 %	99 %	99 %	99 %	99 %	
	@ 100 % load Battery Mode	95 %	95 %	95 %	95 %	95 %	96 %	96 %	
Rated input voltage		400 V AC							
Tolerance		-20/+15 %							
Input frequency (selectable)		50/60 Hz							
Tolerance		40-70 Hz							
Input PF		> 0.99							
Input THDi		< 3 %							
Output voltage static stability		+ / -1.5 %							
Rated output current (@ 400VAC)		28.9 A	57.8 A	86.7 A	144.5 A	289 A	434 A	723 A	
Overload capability	> 100...110 %	60 min							
	> 110...125 %	10 min							
	> 125...150 %	1 min							
	> 150 %	200 ms							
Short circuit current (200 ms)		72.2 A	144.4 A	216.7 A	361 A	722 A	1084 A	1806 A	
Short circuit characteristic		Current limited electronic protection							
Output wave form		Sinusoidal							
Automatic bypass		Electronic thyristor switch							
Protection		Fuses							
Rated input voltage Bypass (selectable)		380 - 400 - 415 V AC							
Tolerance		-20/15 %							
Overload capability		125 % continuously				110 % continuously			
Manual Bypass		Electronically controlled							
Battery voltage		± 240 VDC							
Number of battery blocs		40 pc. 12 V (settable 32 to 44 blocks)							
Rated output power kVA		20	40	60	100	200	300	500	
Rated output power kW		18	36	54	90	180	270	450	
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		1 % per 100 m							
Cooling		Forced							
Acoustic noise (IEC/EN 62040-3)		< 57 dB				< 72 dB			
Protection degree		IP 20							
Colour / Paint		Black grey (RAL 7021)							
Safety		IEC/EN 62040-1							
EMC		IEC/EN 62040-2							
Performance & Test		IEC/EN 62040-3							
Conformity		CE - Label							
Accessibility		Front access							
Installation		500 mm from the wall							
Front panel		5.7" touch screen display				10.4" touch screen display			
Serial communication interface		RS232, RS485, USB, optional SNMP-adaptor, pot. free contacts							
Parallel configuration (optional)		up to 1,5 MVA							
Dimension	System cabinet	Height * (mm)	2000		1150	1600	2000	2000	
		Width * (mm)	600		600	650	650	1300	
		Depth * (mm)	1020		980	960	1095	1100	
Weight	(kg)	Power module	440*590*134		510*700*178				
		System cabinet	205		210	350	500	900	
		Power module	22		45				

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

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