













SEMI-INDUSTRIAL UPS SYSTEMS

S1300 30-500 kVA

Key features

- ► Online UPS with high efficiency
- ▶ Large power range 30–500 kVA
- Power factor corrected (PFC) rectifier
- ► Without power transformers
- ▶ Touchscreen with large control panel
- ▶ Various communication possibilities

Operational benefits

- Highest reliability at compact footprint
- Consistent operation over full range
- No reactive power consumption
- Compact and lightweight construction
- Easy control and supervision of system
- Flexible remote monitoring

\$1300 – Reliable UPS for Semi-Industrial applications

The \$1300 is a robust UPS solution for all semi-industrial applications like 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 \$1300 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 Power Efficiency Mode (PEM)
- Output designed for PF 1.0 loading
- Power factor corrected (PFC) rectifier, PF 0.99, THDi < 3 %
- Dynamic Charge Mode (DCM) reduces battery recharge time
- Advanced Battery Care (ABC) extends battery lifetime
- Power transformer free UPS design
 leads to low weight and high efficiency
- Large touchscreen, easy operation and monitoring
- Comprehensive set of communication options for flexible remote monitoring
- Same handling and spare parts over full power range



Modern Human Machine Interface

The touchscreen of the \$1300 facilitates a comprehensive and flexible human machine interface (HMI). An easy and intuitive operation and control of the system is achieved through:

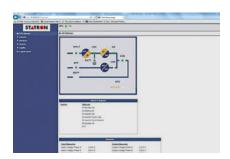
- Intuitive menu structure
- Colour display
- Mimic diagram
- LED status indications



Includes many advantageous features in standard configuration

In contrast to the market standard, the \$1300 system includes many advantageous features already in the standard configuration, such as:

- SNMP (Ethernet) communication board
- HTTP (Ethernet) communication board
- Dry-contact relay board
- Alarm relay card
- External digital inputs
- Large colour touchscreen
 (> 60 kVA systems)
- Input-, output- and manual bypass switches



Remote communication

The \$1300 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
- External maintenance bypass breaker
- Generator operation

Optional communication parts are available, such as:

- Modbus-TCP/IP (Ethernet)
- Modbus-RTU (RS485)
- PROFIBUS DB



Reliable battery use and management

Battery monitoring and management is a key factor for a reliable and durable power back-up. The Statron \$1300 has class leading built-in features, such as:

- Battery availability check
- Battery monitoring (constantly updated battery capacity and battery back-up time)
- Automated / manual partial discharge testing
- Compatible with different battery types
- Two charge voltages battery
- Two individual battery charge current limitations

Technical specification | \$1300 30–500 kVA

Rating kVA			30	40	60	80	100	125	160	200	250	300	400	500
Rated activ	e output po	wer (cos = 1) kW	30	40	60	80	100	125	160	200	250	300	400	500
10/10-55	-1	© 05 @ 1		0000	00.07	0000	0000	00.07	00007	0.1.5.77	0157	0.1.5.77	0107	0107
AC / AC effic		@ 25 % load @ 50 % load	92.0 %	92.0 % 93.5 %	93.0 % 94.5 %	93.0 % 94.5 %	93.0 %	93.0 %	93.0 %	94.5 % 95.5 %	94.5 % 95.5 %	94.5 % 95.8 %	94.8 %	94.8 %
(VFI – online conversion)	aouble	@ 75 % load	94.0 %	94.0 %	95.0 %	95.0 %	95.0 %	95.0 %	95.0 %	96.0 %	96.0 %	96.0 %	96.0 %	96.0 %
conversion)		@ 100 % load	94.0 %	94.0 %	95.0 %	95.0 %	95.0 %	95.0 %	95.0 %	95.5 %	95.5 %	95.5 %	95.6 %	95.6 %
		<u> </u>	74.0 Q	74.0 /6	75.0 /6	73.0 /6	73.0 /6	73.0 /6	73.0 /6	73.3 /6	73.3 /6	73.3 /6	75.0 /6	73.0 /6
Rated input	voltage								V AC					
Tolerance Input frequency (selectable)			-20 / +15 %											
	ncy (selecto	able)							60 Hz					
Input current harmonic @ 25 % load		+ / -10 %												
distortion (THDi) @ 50 % load		< 5 < 4												
								3						
(at rated voltage, @ 75 % load THDv < 0.5 %) @ 100 % load								: 3						
Output voltage static stability		-						-1 %						
Rated outpu	ut current (@	400 V AC)	44 A	58 A	87 A	115 A	144 A	180 A	231 A	289 A	361 A	433 A	577 A	700 A
Overload	>100125 %	%/110 % for 160-500 kVA unit						10	min					
capability	>110125 %	5 / Only for 160–500 kVA unit						5 r	min					
	>125150 %	0						3	0 s					
	>150 %							100) ms					
Short circuit current		101 A	133 A	265 A	330 A	400 A	490 A	640 A	720 A	900 A	1050 A		1800 A	
Short circuit		tic		C	urrent lir	nited ele	ectronic		on. Autoi	matic sta	op after :	5 secono	ds.	
Output wave									oidal					
Automatic bypass							Elec		yristor sv	vitch				
Protection	voltago (sol	a atabla)	Fuses											
Rated input	vollage (sei	eciablej	380 – 400 – 415 V AC + / -10 %											
	nahility		-							lv				
Overload capability			150 % continuously 1000 for 1 cycle											
Manual bypass			- Electronically controlled											
Manual bype	ass						– Ele			olled				
Manual bypo	ass							ctronico			rocedure	Э		
Manual bype	ass		30	40	60	80		ctronico	ally contr		rocedure	300	400	500
Rating kVA		wer (cos = 1) kW	30	40	60 60	80	- No	ectronico o-break c	ally contrassisted re	e-start p				
Rating kVA	e output po	wer (cos = 1) kW					- No	ctronico -break c	ally contrassisted re	e-start p	250	300	400 400	500 500
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^{*} dimensions for IP20 and basic configuration Further data available on request

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