



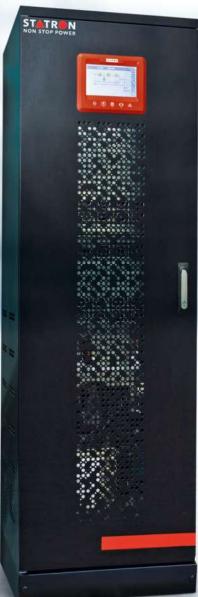


Transmission & Distribution









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:

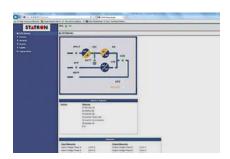
- Intuitive menu structure
- Colour display
- Mimic diagram
- LED status indications



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 active outpu	t power (cos = 1) kW	30	40	60	80	100	125	160	200	250	300	400	500	
AC / AC efficiency	@ 25 % load	92.0 %	92.0 %	93.0 %	93.0 %	93.0 %	93.0 %	93.0 %	94.5 %	94.5 %	94.5 %	94.8 %	94.8 %	
(VFI – online double		93.5 %	93.5 %	94.5 %	94.5 %	94.5 %	94.5 %	94.5 %	95.5 %	95.5 %	95.8 %	96.0 %	96.0 %	
conversion)	@ 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 %	
	@ 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 %	
Rated input voltage								V AC						
Tolerance Input frequency (selectable)		-20 / +15 %												
	lectable)							50 Hz						
Input current harmonic @ 25 % load		- 												
distortion (THDi) @ 50 % load								: 4						
(at rated voltage, @ 75 % load								3						
THDv < 0.5 %) @ 100 % load								: 3						
Output voltage static stability		· 						-1 %						
Rated output curre	nt (@ 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						
	25 % / Only for 160–500 kVA uni						5 r	min						
>125	150 %						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	1	1800 A	
Short circuit charac	teristic		C	urrent lir	mited ele	ectronic		on. Autoi	matic sta	op after :	5 secono	ds.		
Output wave form								oidal						
Automatic bypass						Elec		yristor sv	vitch					
Protection			Fuses 380 – 400 – 415 V AC											
Rated input voltage	(selectable)					3			(C					
Tolerance Overload capability								-10 % ntinuousl	ls.					
Overload capability	y						130 % 00	11111100031	у					
							1000 fo	r 1 cycle						
Manual bypass		· 				– Fle		r 1 cycle	olled					
Manual bypass							ctronico	r 1 cycle ally contr assisted re		rocedure	Э			
Manual bypass Rating kVA		30	40	60	80		ctronico	ally contr		rocedure	300	400	500	
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Rating kVA	rt power (cos = 1) kW	30 30	40	60 60	80 80	– No	ctronico -break c	ally contrassisted re	e-start p			400	500 500	
Rating kVA	rt power (cos = 1) kW					- No	ectronico o-break c	ally contrassisted re	e-start p	250	300			
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^{*} dimensions for IP20 and basic configuration Further data available on request

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