STATRON

Scalable 3 - phase, double conversion UPS system with hot-plug design up to 220 KVA (n + 1). The modular design with 20 KVA modules makes any system up or downgrade flexible and avoids high inv estment costs at first installation.

Modular UPS S6300

20-220 KVA

Standard System

- Scalable UPS with hot-plug power modules
- Active input power factor correction (0.99)
- IGBT & MOSFET semiconductors and DSP processors
- Service friendly
- High energy efficiency (THDi < 5 %)
- Very low harmonic input distortion
- Online diagnosis and monitoring
- Highest availability with internal n + 1 Redundancy

Options

- Scalable up to 220 KVA (n+1) Redundancy
- RS232 interface with MODBUS for monitoring
- Monitoring software UPSMon
- Flexible communications with SNMP & network adapter
- Battery sensor monitoring
- VRLA, vented Lead Acid or Nickel Cadmium batteries

Modular UPS S6300

Application Area

Power outages happen even in Europe almost every week. With adding higher currents, unwanted feedbacks into the power grid occur. For example short circuits and inrush currents from welding equipment or bigger electro motors cause undervoltages, overvoltages happen usually then when big loads are being switched off or a far away lightning strike hits a transmission line. The utility companies regulate the mains voltage and frequency at the point of delivery constantly but this does not help against local disturbances.

The above and other disturbances in the power grid can damage sensitive equipment or affect it in their functionality. Business critical applications need a clean sine wave voltage under all conditions.

The clear benefit of a UPS is the elimination of outage events with back up power from batteries (or other energy storage system) and to provide clean sine power to the connected business critical systems.
In case a complete black out, the UPS provides sufficient battery power for a safe shut down or until a diesel generator starts.

Our UPS System S6300 is protecting connected systems against the following disturbances:

Voltage phenomenon	Time	Example
1. Outage (black outs)	> 10 ms	
2. Sags / brownouts	< 16 ms	
3. Dynamic overvoltage	4...16 ms	
4. Undervoltage	continuous	
5. Overvoltage	continuous	
6. Transients (surges)	< 4 ms	
7. Voltage distorsion (burst)	alternating	
8. Voltage distortion	periodically	
9. Frequency variations	sporadic	

Modular UPS S6300

Service and maintenance

Each UPS has integrated parts (resistors, capacitors, batteries) which age under operating conditions and can not be serviced and replaced by the end user. We recommend a maintenance service contract for the UPS and the batteries to guarantee lifelong availability.

Our experienced service team provides commissioning, preventive maintenance and on site repair all around the world, 365 days per year.

Please contact us for more information about our service offerings.

S6300 Serviceability

Plug-in modules guarantee easy and fast service and help to reduce service costs.

- Reduced MTTR (Mean Time To Repair) and maximized secured availability
- Only front access needed for service
- No need for trained staff on site as it is a simple plug and play integration
- No spare parts must be kept on stock as only the power modules will be exchanged

Batteries

Many years experience with industrial batteries and energy storage systems allow our engineers to help design the best solution from a complete range of technologies, optimized for every application.

For all UPS models, rectifiers or chargers, if Lead - / or Ni - Cd Batteries, we offer the most suitable and cost efficient battery solution.

Technische Spezifikationen

Spezifikation	3-Phasen-Ausgang					
Modellbezeichnung (ohne Redundanz)	**S6300-20**	**S6300-40**	**S6300-60**	**S6300-80**	**S6300-100**	**S6300-120**
Power Rating (pf = 0,8 ind.)	**20 kVA**	**40 kVA**	**60 kVA**	**80 kVA**	**100 kVA**	**120 kVA**
Anzahl Module	1	2	3	4	5	6
Ausgangsleistung (p.f. 1)	16 kW	32 kW	48 kW	64 kW	80 kW	96 kW
Dimensionen (mm, W × D × H)	600 × 800 × 1800					… × 2000
Weight (kg, without battery)	240	280	320	360	400	440
Modell n+1 (Redundant)	**S6300-20**	**S6300-40**	**S6300-60**	**S6300-80**	**S6300-100**	**–**
Power Faktor (pf = 0,8 ind.)	**20 kVA**	**40 kVA**	**60 kVA**	**80 kVA**	**100 kVA**	**–**
Anzahl Module	2	3	4	5	6	–
Ausgangsleistung (p.f. 1)	16 kW	32 kW	48 kW	64 kW	80 kW	–
Dimensionen (mm, W × D × H)	600 × 800 × 1800				… × 2000	–
Weight (kg, without battery)	280	320	360	400	440	–
Allgemeine Informationen						
Wirkungsgrad (AC-AC, Online)	94% (75–100% Last, ohne Batterieladung)					
Umgebungstemperaturen	0–40 °C, <95% rh (nicht kondensierend), <1000 m asl					
Geräuschepegel	<60 dB(A), <65 dB(A) bei 100% Last und max. Temperatur					
EMC-Kompatibilität	IEC 62040–C3					
Standarddesign	EN 60801, EN 60950, EN 62040-1, EN 62040-2, EN 62040-3, EN 62040-1-1, VGB 4					
Eingang						
Input voltage (3Ph + N) / Frequency	400 VAC (+10% / –15%), 50 Hz +/– 5%					
Input power factor	0,99 (≤0,97 über 25% Last)					
Input harmonic current distortion	≤3% (bei 100% Last), ≤4% (<75% Last)					
DC-Schaltkreis						
Number of cells	2 × 108 to 144					
Battery voltage range	2 × 184 – 330 VDC					
Ausgang						
Ausgangsspannung (3Ph + N)	380 – 415 VAC 3 × 380/220 – 400/230 – 415/240 V					
Ausgangsfrequenz	50 Hz					
Ausgangs-Spannungsstabilität – statisch – dynamisch (0–100%–0-Lastsprung) – unsymmetrische Last (100%) – Erholungszeit	 ± 1% ± 5% ± 2% 20 ms					
Überlast	125% für 10 min. 150% für 1 min. 500% für 100 ms (Bypass)					
Kurzschluss-Charakteristik	Strom begrenzt auf 2 × nom. Strom, automatische Abschaltung nach 3 sec					
Spannungs-Klirrfaktor – lineare Last – nicht lineare Last	 ≤2% ≤5%					
Crest factor (nicht lineare Ladung)	3:1					

Andere Daten auf Anfrage

Änderungen vorbehalten

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