



# HIGH AVAILABILITY FOR DATA CENTER

BE PREPARED FOR THE NEXT BLACKOUT.

HIGH AVAILABILITY FOR  
YOUR INFRASTRUCTURE



**J. Schneider**  
Elektrotechnik



## J. SCHNEIDER ELEKTROTECHNIK AT A GLANCE

# INTERNATIONALLY SUCCESSFUL, BUT ROOTED IN THE FAMILY

HIGH-PRECISION HANDLING OF CURRENTS, VOLTAGES AND DRIVE TECHNOLOGY THESE ARE THINGS THAT J. SCHNEIDER ELEKTROTECHNIK HAS LONG BEEN KNOWN FOR. EVOLVED FROM FAMILY VALUES – AND EQUALLY SUCCESSFUL TODAY ON A REGIONAL AND INTERNATIONAL LEVEL.

Family values have been taken seriously at J. Schneider Elektrotechnik from the very outset. And this has not changed from 1939 to this day. Because they are the basis for trusting and fair dealings with all of our employees. This is the only way that they can realise their talents and capabilities in the best possible way together deliver outstandingly innovative services for even the most demanding of customers.

## ACTIVE IN MANY WAYS

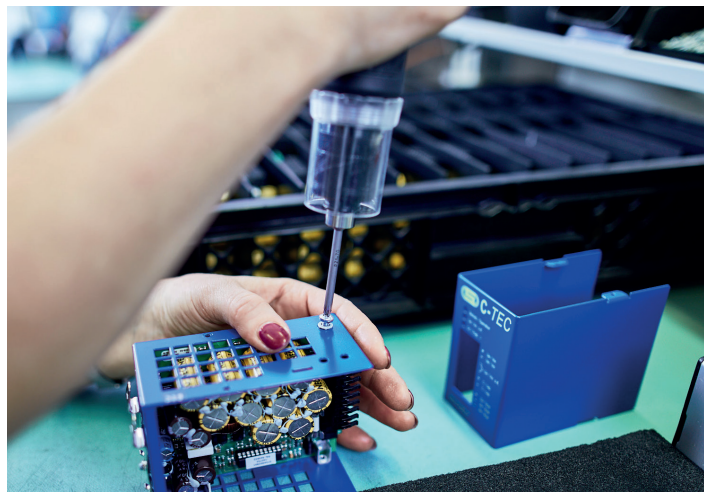
We develop bespoke solutions for a wide variety of problems in close cooperation with our customers:

- from individually manufactured, special transformers for tunnel drilling machines,
- via VdS-tested uninterruptible power supplies (UPS) for safety-relevant industrial applications,
- High availability for critical infrastructures such as Data Centres,
- UCVS for Power Quality and short term interruptions,
- high-precision high-voltage and plasma power supplies for more and more new high-tech processes
- right through to reliable services for the most up-to-date electrical drives in public transport, theme parks and paper factories.

With mutual respect and a high social responsibility we develop sustainable solutions at the cutting edge of technology with and for our customers. And word of this has now spread from the Upper Rhine to many parts of the world. Making us what we are today: internationally successful – on the sound footing of a traditional, family-owned company.



OUR UPS SYSTEMS  
GUARANTEE GREATER  
SAFETY IN MANY IMPORTANT  
FIELDS OF INDUSTRY.  
SOMETHING WE ARE HAPPY  
TO CHAMPION!



# ULTRA CAP VOLTAGE STABILIZER (UCVS)

## ALWAYS IN OPERATION: FOR SURE

WHEREVER A SAFE, EVEN AND CONSTANT POWER SUPPLY IS EXISTENTIAL, THAT'S WHERE UPS SYSTEMS FROM J. SCHNEIDER ARE IN GREAT DEMAND. ACROSS THE ENTIRE GLOBE.

Whether variations in local power grids, the reduction of peak loads, a safe supply for critical technologies in industrial plants, data networks and telecommunications or the efficient storage of braking energy: Ultra Cap Voltage Stabilizer from J. Schneider take care of sophisticated tasks and are in great demand internationally.

## MORE SECURITY FOR YOUR DATA CENTRE

Data centres are designed to supply servers and the periphery without interruption and to ensure IT productivity through appropriate redundancies. Furthermore become complex power systems and components such as UPS (Uninterruptible Power Supply) systems and emergency power systems are used. Multiple power feeds ensure redundant current paths.

To ensure that there are no energy bottlenecks in the relevant components of the system, our UPS systems and Ultra Cap Voltage Stabilizers are essential. The high electrical availability must be always available. This means that our **ONLINE SYSTEMS** ensures a high availability of energy in data centers under consideration of power failures, supply current and voltage, a good power factor and distortions on all connected phases as well as on the neutral conductor.



ULTRA CAP  
VOLTAGE STABILIZER  
(UCVS)  
1kVA UP TO 800 kVA

ONLINE DC  
UPS-SYSTEMS  
2 IN 1 POWER  
SUPPLY AND BUFFER





## PRODUCTS

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Uninterruptable DC-UPS-systems ensure the continuous operation of your application. We offer a wide range of products of DC-UPS-systems from 1 A to 600 A with systems which are Ultra Capacitor or Battery based.

### C-TEC / AC C-TEC – ULTRA CAPACITOR BASED

DC in DC OUT / AC in DC out in the range from 1 A up to 40 A

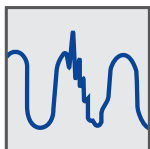
### AKKUTEC – BATTERY BASED

AC in DC out in the range from 1 A up to 600 A and more

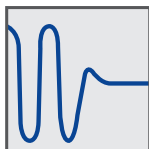
## ULTRA-CAP-VOLTAGE-STABILIZER (UCVS) FROM 1 KVA UP TO 800 KVA

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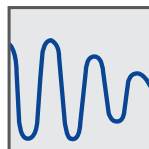
The ideal solution when voltage drops or short-term power outages are a problem in your process. UCVS is a high performance and high efficiency system that ensures continuous power supply in modern industrial processes. It offers optimal protection against problems with the quality of the supply voltage.



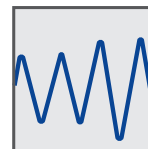
Transients



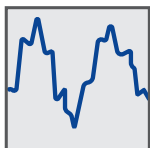
Power Cuts and  
micro-cuts



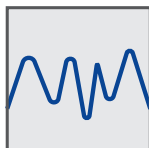
Undervoltages  
and voltages gaps



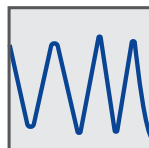
Transients  
and permanent  
overvoltages



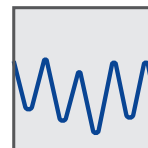
Harmonics



Transient voltage  
Variations



Voltage spikes



Frequency  
Fluctuations

## THE PRODUCT RANGE WE ARE OFFERING:

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1 ph / 1 ph	1 kVA up to 3 kVA
3 ph / 1 ph	10 kVA up to 20 kVA
3 ph / 3 ph	10 kVA up to 800 kVA

## CONTACT

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If you have any further questions please don't hesitate to contact us:

**J. SCHNEIDER ELEKTROTECHNIK GMBH**  
WERNER-VON-SIEMENS-STRASSE 12  
77656 OFFENBURG / GERMANY  
+ 49 781 206 0  
[INFO@J-SCHNEIDER.DE/EN](mailto:INFO@J-SCHNEIDER.DE/EN)  
[WWW.J-SCHNEIDER.DE/EN](http://WWW.J-SCHNEIDER.DE/EN)



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