



ULTRA-CAP-VOLTAGE-STABILIZER (UCVS)



**J. Schneider
Elektrotechnik**



BE PREPARED FOR THE NEXT BLACKOUT / KEEP YOUR PROCESS RUNNING

ULTRA-CAP-VOLTAGE-STABILIZER (UCVS)

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.

To ensure a continuous power supply in the event of power problems, the UCVS uses a modular energy storage and inverter system. As energy storage ultra capacitors are used. Ultra capacitors can buffer for several seconds during power quality issues. Ultra capacitors have an extremely high power density and they are designed for a long life operation in a very compact and low maintenance solution.

In today's industry, harsh electrical conditions prevail. The UCVS need to be installed parallel to the load and supplies the load directly with energy in case of voltage dips. The so-called **ONLINE SYSTEM** supplies the consumer continuously. Even in case of a power failure, the energy is available and the consumer has no interruption. Unlike conventional voltage stabilizers, the UCVS offers an uninterrupted and over seconds long solution. Even with voltage dips of 0 volt, the consumer remains powered.

PRODUCT RANGE

MODELS		1000 C	3000 C
INPUT	Nominal voltage	220 - 230 - 240 Vac 1ph	
	Nominal frequency	50 / 60 Hz	
	Power factor	> 0,99	
	Current distortion	≤ 7%	
OUTPUT	Nominal power (VA)	1000	3000
	Power (W)	800	2700
	Nominal voltage	220 - 230 - 240 Vac 1ph	
BACKUP	Autonomy @100% load	3 s	4 s
	Recharge time (min)	< 10 min	
DATA	Net weight (kg)	13	19
	Dimensions (H x W x D)	235 x 158 x 422	333 x 190 x 446

MODELS		SM 10 CL	SM 15 CL	SM 20 CL
INPUT	Nominal voltage	400 Vac 3ph		
	Nominal frequency	50 / 60 Hz		
	Power factor	> 0,99		
	Current distortion	≤ 3%		
OUTPUT	Nominal power (VA)	10000	15000	20000
	Power (W)	10000	15000	20000
	Nominal voltage	230 Vac 1ph		
BACKUP	Autonomy @100% load	22 / 44 / 67 / 83 s	14 / 29 / 44 / 59 s	11 / 22 / 33 / 44 s
	Recharge time (min)	2 / 4 / 8 / 16	2 / 4 / 8 / 16	4 / 8 / 16 / 32
DATA	Net weight (kg)	130 / 151 / 172 / 193	132 / 180 / 228 / 256	155 / 202 / 249 / 296
	Dimensions (H x W x D) (mm)	1320 x 440 x 840		

PRODUCT RANGE

MODELS		ST 10 CL	ST 15 CL	ST 20 CL	ST 30 CL	ST 40 CL
INPUT	Nominal voltage	400 Vac 3ph				
	Nominal frequency	50 / 60 Hz				
	Power factor	> 0,99				
	Current distortion	≤ 3%				
OUTPUT	Nominal power (VA)	10000	15000	20000	30000	40000
	Power (W)	10000	15000	20000	30000	40000
	Nominal voltage	400 Vac 3ph				
BACKUP	Autonomy @100% load	9 / 21 / 33 / 44 s	6 / 15 / 24 / 32 s	4 / 9 / 16 / 21	2 / 5 / 9 / 13	1 / 3 / 6 / 9 s
	Autonomy @50% load	19 / 43 / 66 / 89 s	13 / 31 / 49 / 65 s	8 / 19 / 32 / 42	4 / 11 / 19 / 27 s	2 / 7 / 13 / 19 s
	Recharge time (min)	2 - 7 min	2 - 7 min	2 - 7 min	2 - 7 min	2 - 7 min
DATA	Net weight (kg)	130 / 151 172 / 193	132 / 180 228 / 256	155 / 202 249 / 296	160 / 207 254 / 301	164 / 211 258 / 305
	Dimensions (H x W x D) (mm)	1320 x 440 x 840				

MODELS		ST 60 CL	ST 80 CL	ST 100 CL	ST 120 CL
INPUT	Nominal voltage	400 Vac 3ph			
	Nominal frequency	50 / 60 Hz			
	Power factor	> 0,99			
	Current distortion	≤ 3%			
OUTPUT	Nominal power (VA)	60000	80000	100000	120000
	Power (W)	60000	80000	100000	120000
	Nominal voltage	400 Vac 3ph			
BACKUP	Autonomy @100% load	29 s	20 s	17 s	14 s
	Recharge time (min)	15 min			
DATA	Net weight (kg)	130 + 216	172 + 216	180 + 216	189 + 216
	Dimensions (H x W x D) (mm)	1 x 1320 x 440 x 840 / 1 x 1320 x 400 x 815			



PRODUCT RANGE

MODELS		MP C 100	MP C 120	MP C 160	MP C 200	MP HIP C 200-800 on request
INPUT	Nominal voltage	400 Vac 3ph				
	Nominal frequency	50 / 60 Hz				
	Power factor	> 0,99				
	Current distortion	≤ 3%				
OUTPUT	Nominal power (VA)	100000	120000	160000	200000	
	Power (W)	90000	108000	144000	180000	
	Nominal voltage	400 Vac 3ph				
BACKUP	Autonomy @100% load	10 s	8 s	18 s	4 s	
	Recharge time (min)	15 - 30 min				
DATA	Net weight (kg)	640 + 400	650 + 400	770 + 400	810 + 410	
	Dimensions (H x W x D) (mm)	1 x 1900 x 800 x 800 / 1 x 1900 x 860 x 800				

Contact

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
WWW.J-SCHNEIDER.DE/EN



J. Schneider
Elektrotechnik

