

UPS - system

Ultracapacitor buffered power supply

manufacturer: J. Schneider Elektrotechnik GmbH
 Type : AC C-TEC 2420-8
 Art.-No. : NCPA0746G01002



Short description

The buffer module of the series **AC-C-TEC** works with ultra-capacitors as energy storage inside the housing. In case of an interruption of the DC-power supply the energy of the capacitors is released. The load is supplied by the buffer module till it is discharged. The back-up time depends on the state of charge of the capacitors and on the discharge current.

Nominal input voltage	3 x 340 – 550 V AC V ± 15 %
Nominal input current	0,95 A – (Ue 400 V AC)
Max. inrush current	15 A /0,5 ms
Output voltage in mains operation	25 V DC ± 2 %
Output voltage in buffer operation	23 V DC ± 2 %
Nominal output current	20 A DC
Current limitation	1,05 ... 1,5 x IA nom
efficiency	90 %
energy	8 kJ
Back-up time	Depending on load (e.g. 16 sec. at 20 A load)
Protective system	IP20
Storage temperature	- 20 ... + 60 °C
Operational temperature	- 20 ... + 60 °C
Fusing input external	3 x 2A T internal
Fusing output	25 A T (external)
LED- display	operation LED green illuminates at mains present at mains present at terminal UE UE o.k. LED green illuminates at external supply present Uc > LED green illuminates at: Energy in capacitor > 80 % LED green, expires at: Energy in capacitor < 30 % LED is blinking slowly (0,8 Hz): During the charging until 80 % of the capacitor energy is reached LED is blinking fast (3,2 Hz) When the capacitor is discharged



Relais- outputs	mains UC > error	potentialfr. Relais-contact, closer 30 V DC / 0,5 A potentialfr. Relais-contact, closer 30 V DC / 0,5 A potentialfr. Relais-contact, changer 30 V DC / 0,5 A Shut-down of the UPS operation potentialfree gate input switch level: 24 V DC (6-45 V DC)
Shut-down		
connection USB		For the connection with I PC for Shut down respectively by optional shut down software TEC- Control For the change of device parameters, messages etc. via optional paraTEC software
Norms and regulations		EN 61558 2-17 (VDE 0570 2-17) EN 60950 VED 0884 EN 55011 / 1998 /Klasse A EN 61000-3-2 und EN 61000-3-3 EN 50082-2 EN 60068-2-6 EN 50178
dimensions		192,5 x 140 x 198 mm (W x H x D)