
UPS - system

# Capacitor buffered power supply

manufacturer: J. Schneider Elektrotechnik GmbH
type : C-*TEC* 2420-8
Art.-No. : NCPA0747G01001

Short description:

The DC- buffer module of the series **C**-*TEC* works with ultra-capacitors as energy storage inside the housing. These capacitors are charge by a external regulated DC-power supply in normal operation. 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.

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| Nominal input voltage | 24 V DC ± 12,5 % |
| Nominal input current | 20 A |
| Max. inrush current | 35A/2ms |
| Output voltage in buffer operation | Depending on load |
| System voltage 24V | 23,5 V DC ± 2 % |
| Nominal output current | 20 A DC |
| Limitation current control | 20,6 A DC ± 0,1 A |
| Switch off in case of exceeding | After 1,5 sec |
| Current limitation | 1,05 ... 1,2 x IA Nom |
| efficiency | > 90 % |
| energy | 8 kJ |
| Back-up time | Depending on load |
| Protective system | IP20 |
| Storage temperature | - 40 … + 70 ℃ |
| Operational temperature | - 40 ... + 60 ℃ |
| Fusing input | 25 A internal |
| Fusing capacitor circuit | 25 A internal |
| Fusing output | 25 A internal, 10 A slow acting (external) |
| LED- display | operation LED green illuminates at system-voltage present |
| | UE o.k. LED green illuminates at external supply present |
| | Uc > LED green illuminates at: Energy in capacitor > 80 % |
| | error LED red illuminates at: |
| | overvoltage at internal capacitor |
| | over- or under voltage at terminal UI |
| | over current at the output |
| Relais -output | potentialfree Relais - contact, closer 30 V DC / 0,5 A |
| | Netz/ /Mains, closer 30 V DC / 0,5 A |
| | Uc /Vcap </>, closer 30 V DC / 0,5 A |
| | error, changer 30 V DC / 0,5 A |
| Shut-down | Interruption of the UPS operation |
| | Potential free input |
| | Switching level: 24V DC (6-45 V DC) |
| Norms and regulations | EN 50 178 / EN 60950 |
| connection, in-/ output | plug terminals 4 mm² |
| Connection c-extension | Plug terminals 4 mm² |

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|---|---|
| connection, messages | plug terminals 1 mm² |
| dimensions | 195 x 84 x 192 mm |
| weight | 1,8 kg |