

UPS - system

Ultracapacitor buffered power supply

manufacturer: J. Schneider Elektrotechnik GmbH

Type : AC C-TEC 2403-1 (400 V)



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	400 V \pm 15 %
Nominal input current	0,84 A – 115 V AC 0,42 A – 230 V AC
Max. inrush current	30 A / 2 ms
Output voltage in mains operation	24,3 V DC \pm 2 %
Output voltage in buffer operation	23,5 V DC \pm 2 %
Nominal output current	2 A DC (with nominal capacity) 3 A DC (with reduced capacity)
Current limitation	1,05 ... 1,5 x I _{A nom}
efficiency	88 %
energy	1 kJ respectively 1000 Ws
Back-up time	Depending on load
Protective system	IP20
Storage temperature	- 20 ... + 60 °C
Operational temperature	- 20 ... + 60 °C
Fusing input	2A T internal
Fusing output	3,15A 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 U _c > 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 potentialfr. Relais-contact, closer 30 VDC/0,5A
Relais- outputs	potentialfr. Relais-contact, closer 30 VDC/0,5A
Norms and regulations	EN 50 178 / EN 60950
connection, in-/ output	Spring type terminals max. 2,5 mm ²
connection, messages	Spring type terminals max. 1 mm ²
dimensions	152,5 x 100 x 130 mm (H x B x T)
weight	1,2 kg