CTEC-2420-8-AC400

AC/DC DC UPS 24V 20A with 8KJ Ultra Capacitor

UPS - system

Ultracapacitor buffered power supply

manufacturer: J. Schneider Elektrotechnik GmbH
Type : AC C-*TEC* 2420-8

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	potentialfr. Relais-contact, closer 30 V DC / 0,5 A
	UC >	potentialfr. Relais-contact, closer 30 V DC / 0,5 A
	error	potentialfr. Relais-contact, changer 30 V DC / 0,5 A
Shut-down		Shut-down of the UPS operation
		potentialfree gate input
		switch level: 24 V DC (6-45 V DC)
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)