

Ultra Capacitor Modules DC/UPS Systems



C-TEC Ultra capacitor module

The DC- buffer module of the series C-TEC works with ultra-capacitors as energy storage inside the housing. These capacitors are charged by an 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 until it is discharged. The back-up time depends on the state of charge of the capacitors and on the discharge current.

Cat. No.	prim. V	sec. V	output A	imax* A	energy Ws
C-TEC 2403-1	24	24	3	6	1000
C-TEC 2405-5	24/12	24/12	5	7	5000
C-TEC 2410-10	24/12	24/12	10	10	10000
C-TEC 2420-8	24	24	20	20	8000
C-TEC 2440-4P	24	24	40	40	4000
AC-TEC 2403-1	115 – 230 VAC	24	3	1.5xIA	1000
AC-TEC 2420-8	3 x 340 – 550 VAC	24	20	1.5xIA	8000



Capacitor Extension Module

The CEM-Module is used to increase the back-up energy of the C-TEC series. The charging and discharging of the extension module is monitored and controlled by the C-TEC.

Cat. No.	nominal voltage V DC	sec. V DC	output A	imax* A	energy Ws
CEM 1	24	24	3	3	1kJ, 1000Ws
CEM 2	24	24	3	3	2kJ, 2000Ws
CEM 8	24	24	20	20	8kJ, 8000Ws
CEM 16	24	24	20	20	16kJ, 16000Ws



AKKUTEC DC-UPS Buffer Unit (without batteries)

The battery buffered DC power supply is working according the stand-by parallel mode and ensures in connection with a lead-acid battery a safe continuous DC power supply during a determined time interval in case of mains failure. The total output current is shared between supply of the loads and charging of the buffer unit.

Cat. No.	prim. V	sec. V	output A
AKKUTEC 2402	115 - 230	24	2
AKKUTEC 2405	115-230	24	5
AKKUTEC 2412	230	24	12
AKKUTEC 2440	3x400	24	44



paraTEC Monitoring Software

24 V DC output voltage

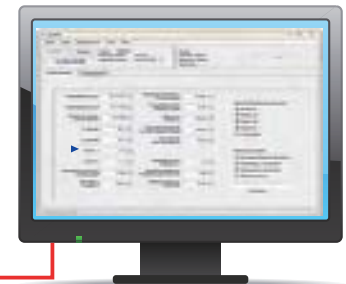
85-265 V AC input voltage
90-250 V DC input voltage



24 V DC unbuffered



24 V DC buffered



Available Software