

Ultra Capacitor Modules

Traditional lead-acid batteries rely on aging technology and toxic chemicals for energy storage. While adequate for many applications, they have limitations for emerging applications that require safe, dependable, quick-back up power, over long periods of time. Ultracapacitors in DC-UPS applications, ensure that critical information and functions are available when supply voltage dips, sags, drops out or surges, or during a battery changeover. Working in conjunction with a complementary power supply, Ultracapacitors modules reliably supply energy in peak power demand conditions, short power outages and reducing stress on the primary power supply and extending its usable life.

Benefits:

- Environmentally safe
- Virtually maintenance free
- Operating temperature range -40°C to +65°C
- Higher power vs. batteries
- No toxic chemicals
- Lasts up to 15 years**
- Higher energy vs. electrolytic capacitors
- Resists shock and vibration

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 charge 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 till 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	dimensions h x w x d (mm)	weight kg
C-TEC 2403-1	24	24	3	6	1000	92,5x60x116	0.55
C-TEC 2405-5	24/12	24/12	5	7	5000	163x114x145	1.8
C-TEC 2410-10	24/12	24/12	10	10	10000	163x114x145	2.1
C-TEC 2420-8	24	24	20	20	8000	192x84x192	1.8
C-TEC 2440-4P	24	24	40	40	4000	192x84x198	2.0

AC-TEC 2403-1	115 – 230 VAC	24	3	1.5xIA	1000	152,5 x 72 x 130	0.85
AC-TEC 2420-8	3 x 340 – 550 VAC	24	20	1.5xIA	8000	192,5 x 140 x 198	0.55

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	dimensions h x w x d (mm)	weight kg
CEM 1	24	24	3	3	1kJ, 1000Ws	92,5x60x116	0.85
CEM 2	24	24	3	3	2kJ, 2000Ws	92,5x60x116	1
CEM 8	24	24	20	20	8kJ, 8000Ws	192x84x192	1.4
CEM 16	24	24	20	20	16kJ, 16000Ws	192x84x192	1.9

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	dimensions h x w x d (mm)	weight kg
AKKUTEC 2402	115 - 230	24	2	60x92,5x116	0.55
AKKUTEC 2405	115-230	24	5	160x75x150	1
AKKUTEC 2412	230	24	12	155x95x183	0.4
AKKUTEC 2440	3x400	24	44	180x290x150	3.3

PSC Class 2 Series
Compact Housing

PSA Flex Series
1 Phase

PSB Flex Series
2 & 3 Phase

PS-S Slim Series
Plastic Housing

PS Low Profile Series
Plastic Housing

PS Industrial Series
1, 2 & 3 Phase

PS C & W Series
1 and 2 Phase

CBI Type
DC UPS Systems

CB Type
Battery Chargers

Accessories

Appendix

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Supercapacitors](#) / [Ultracapacitors](#) category:

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Other Similar products are found below :

[BZ12GA154ZHB](#) [BZ195B273ZNBDM](#) [C-TEC1225 P](#) [SCCY73B407SLBLE](#) [MAL223551014E3](#) [MAL223551007E3](#) [MAL223551001E3](#)
[CPM3225A-2K](#) [iMOD054V062P3L-11A](#) [SCCS30B126SRB](#) [HSL0814-3R8106-R](#) [DB5U207M30045HA](#) [DRE10/2.5](#) [DRL106S0TI25RRDAP](#)
[DRL226S0TK25RR](#) [106DCN2R7M](#) [SCCR20B335SRB](#) [SCCT30B156SRB](#) [SCCU30B306MRB](#) [SCMR14C474MRBA0](#)
[SCMR14C474MSBA0](#) [SCMR22C155MRBA0](#) [SCMR22C155MSBA0](#) [SCMS22C255MRBA0](#) [SCMT22C505MRBA0](#) [SCMT32C755MRBA0](#)
[DRL475S0TG20RRDAP](#) [FT0H225ZF](#) [SCCV40B506MRB](#) [GW209F](#) [TV1020-3R0605-R](#) [TV1245-3R0346-R](#) [SCCX50B207VSB](#)
[PAS0815LS2R5105](#) [MAL222091006E3](#) [MAL222091008E3](#) [SCCY62B307VSB](#) [SCMR18C105MSBA0](#) [EEC-HL0E107](#) [EEC-HL0E506](#)
[SCMR18D105MRBB0](#) [MAL219691154E3](#) [HVZ0E107NF-LT](#) [MAL219632224E3](#) [HVZ0E106NF](#) [MAL219691125E3](#) [MAL219691225E3](#)
[TV1840-3R0606-R](#) [HVZ0E275NF](#) [HVZ0E207NF-LT](#)