AKKUTEC DC-UPS
AT A GLANCE

Order Catalog
PN- 815

UPS systems with batteries as energy storage provide the consumer with uninterrupted power in case of mains disturbances. Our DC UPS systems of the AKKUTEC series operate in standby parallel mode. During mains operation, the DC source supplies the load and the battery simultaneously. The battery is kept fully charged. If the power supply fails, the battery buffers until it has reached its deep discharge limit. This can be a few minutes or a few hours. The battery management integrated in our AKKUTEC devices protects the battery and makes the system safe and highly available.

AKKUTEC

The AKKUTEC is a battery buffered DC power supply that works in a stand-by parallel mode with lead-acid batteries. A load is maintained through the AKKUTEC with a safe and continuous DC power supply in the event of main power failure through the attached battery. VdS certified AKKUTEC modules. VdS certifications have an excellent reputation with manufacturers, service providers and correspond with the highest testing standards.





Type AKKUTEC	Item no.	Prim. V	Sec. V	Output A	Dimensions H x W x D (mm)	Weight Kg
2402	NBPAQ33G1M01	115-230	24	2,1	92,5 x 60 x 116	0,55
2403	NBPAQ33G1M10	230	24	2,85	92,5 x 60 x 116	0,55
2403 VdS	NBPA0844G01002	115-230	24	3	153 x 72 x 125	0,95
2403 DC	NBUA0523G01003	24	24	2,85	92,5 x 60 x 116	0,60
1203	NBPAQ33G1M13	230	12	2,1	92,5 x 60 x 116	0,55
4801	NBPAQ33G1M19	230	48	1,2	92,5 x 60 x 116	0,55
2405 USB	NBPA0616G01101	115-230	24	5	160 x 75 x 150	1,26
1208 USB	NBPA0616G01006	115-230	12	5	160 x 75 x 150	1,26
4803 USB	NBPA0616G01005	115-230	48	3	160 x 75 x 150	1,26
4810	NBPA0347G01007	230	48	11	241 x 101 x 244	2,40
2410	NBPAN33G1M01	230	24	11	216 x 91 x 175	1,60
4806	NBPA1630G01002	230	48	6	92,5 x 60 x 116	1,5
2412 VdS	NBPA0812G01002	230	24	12	155 x 95 x 183	1,56
1220	NBPA0347G01002	115-230	12	20	241 x 101 x 244	2,9
2420	NBPA0347G01001	230	24	22	241 x 101 x 244	2,87
2420	NBPA0313G01002	400	24	22	241 x 101 x 244	2,54
2440	NBPA33G1M01	400	24	44	180 x 290 x 150	3,60



AKKUTEC / AKKUTEC VdS

Battery back-up modules are an absolute must in many modern industrial applications. However, an AKKUTEC paired with a battery module is the best back up solution for large power loads over extended periods of time. An AKKUTEC will ensure the prolonged operation of machinery and controlled processes.

Altech Corporation offers a wide variety of products for DC-UPS systems starting 2 A and up to 40 A along with monitoring / setup software, and comprehensive support.

FEATURES

- Primary switched-mode power supply with I/U charging characteristics
- Active power factor correction (PFC)
- Microcontroller-supported lead battery management
- RS232 for monitoring and parameter stings
- Temperature tracking of the charging voltage by external sensor
- Primary switched-mode power supply with I/U charging characteristics

ADVANTAGES

- 12V DC, 24V DC and 48V DC
- Largest and most varied line
- Quickest charge and buffer times
- Built in power supply
- Online system (no switch over time)

COMPETITORS

Manufacturer	Series
Phoenix	Quint 4 CAP
Weidmuller	CP DC Buffer
Siemens	SITOP UPS500
Puls	UC10

APPLICATIONS

- Controlled shutdown
- Extreme / isolated environment
- Renewable energy
- Industrial / electrical automation
- Remote monitoring
- Telecommunication
- Agriculture
- Machinery
- Textiles
- Automotive
- Packaging
- Industrial PC

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Current	2 min	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h
	Time									
0,5 A	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2402	AKKUTEC 2402 + NBBH 2402	AKKUTEC 2402 + NBBH 2407	AKKUTEC 2402 + NBBH 2412
1 A	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2402	AKKUTEC 2402 + NBBH 2407	AKKUTEC 2402 + NBBH 2407	AKKUTEC 2402 + NBBH 2412	AKKUTEC 2402 + NBBH 2417
2 A	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2401	AKKUTEC 2402 + NBBH 2402	AKKUTEC 2402 + NBBH 2407	AKKUTEC 2403 + NBBH 2407	AKKUTEC 2403 + NBBH 2412	AKKUTEC 2405-0 + NBBH 2417	AKKUTEC 2405-0 + NBBH 2440
5 A	AKKUTEC 2405-0 + NBBH 2401	AKKUTEC 2405-0 + NBBH 2402	AKKUTEC 2405-0 + NBBH 2402	AKKUTEC 2405-07	AKKUTEC 2405-07	AKKUTEC 2405-12	AKKUTEC 2410-0 + NBBH 2417	AKKUTEC 2410-0 + NBBH 2417	AKKUTEC 2410-0 + NBBH 2465	AKKUTEC 2420-0 + 2 x SB 100-12
10 A	AKKUTEC 2410-0 + NBBH 24021	AKKUTEC 2410-07	AKKUTEC 2410-07	AKKUTEC 2410-07	AKKUTEC 2410-12	AKKUTEC 2410-0 + NBBH 2417	AKKUTEC 2410-0 + NBBH 2440	AKKUTEC 2420-0 + NBBH 2465	AKKUTEC 2420-0 + 2 x SB 100-12	AKKUTEC 2420-0 + 4 x SB 100-12
15 A	AKKUTEC 2420-07	AKKUTEC 2420-07	AKKUTEC 2420-07	AKKUTEC 2420-12	AKKUTEC 2420-12	AKKUTEC 2420-0 + NBBH 2417	AKKUTEC 2420-0 + NBBH 2465	AKKUTEC 2420-0 + 2 x SB 100-12	AKKUTEC 2440-0 + 2 x SB 150-12	AKKUTEC 2420-0 + 4 x SB 150-12
20 A	AKKUTEC 2420-07	AKKUTEC 2420-07	AKKUTEC 2420-12	AKKUTEC 2420-12	AKKUTEC 2420-0 + NBBH 2417	AKKUTEC 2420-0 + NBBH 2440	AKKUTEC 2420-0 + NBBH 2465	AKKUTEC 2440-0 + 2 x SB 100-12	AKKUTEC 2440-0 + 4 x SB 100-12	
40 A	AKKUTEC 2440-0 + NBBH 2407HI	AKKUTEC 2440-0 + NBBH 2417	AKKUTEC 2440-0 + NBBH 2417	AKKUTEC 2440-0 + NBBH 2417	AKKUTEC 2440-0 + NBBH 2440	AKKUTEC 2440-0 + NBBH 2465	AKKUTEC 2440-0 + 2 x SB 150-12	AKKUTEC 2440-0 + 4 x SB 100-12	2 x AKKUTEC 2440-0 + 4 x SB 200-12	
80 A	2 x AKKUTEC 2440-0 + NBBH 2417	2 x AKKUTEC 2440-0 + NBBH 2417	2 x AKKUTEC 2440-0 + NBBH 2440	2 x AKKUTEC 2440-0 + NBBH 2465	2 x AKKUTEC 2440-0 + 2 x SB 100-12	2 x AKKUTEC 2440-0 + 4 x SB 150-12	2 x AKKUTEC 2420-0 + 4 x SB 150-12	AKKUTEC 2440-0 + 4 x SB 200-12		

Battery Modules

Type NBBH	Item no. NBBH	Fuse	Voltage V	Capacity Ah	Dimensions H x W x D (mm)	Weight Kg
2401	Q33G1M01	with fuse	24	1,2	96 x 69 x 105	2
2402	Q33G1M04	with fuse	24	2,2	96 x 178 x 105	3,8
2407	L33G1M01	with fuse	24	7	115 x 175 x 159	6
2412	L33G1M02	with fuse	24	12	115 x 241 x 159	9,4
2417	0336G01001	fuse bridge	24	17	170 x 215 x 182	11,9
2424	0336G01002	fuse bridge	24	24	165 x 397 x 202	20
2440	0336G01003	fuse bridge	24	40	200 x 400 x 210	33
2465	033G01004	fuse bridge	24	65	2*(170 x 397 x 200)	2 x 26
24100	0336G01010	fuse bridge	24	100	2*(170 x 397 x 200)	2 x 31
24120	0336G01017	fuse bridge	24	120	2*(170 x 397 x 200)	2 x 34

UPSOTEC with DC input

Type UPSOTEC	Item no. NBUA	Prim. V	Sec. V	Output A	Dimensions H x W x D (mm)	Weight Kg
2403	0523G01003	24	24	2,85	92,5 x 60 x 116	0,6
2420	1530G10001	24	24	20	123 x 65 x 141	0,8
2440	1531G10001	24	24	40	123 x 85 x 143	0,9