

Exceptional Battery Power: by Varta



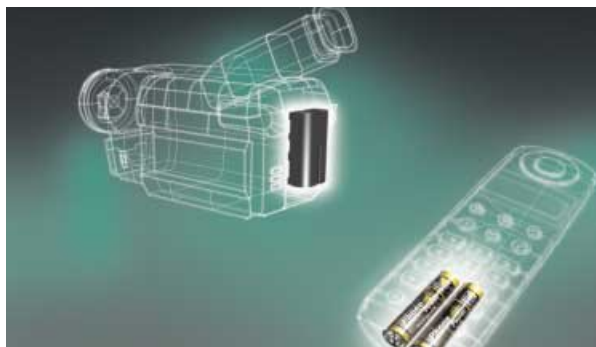
Rechargeable Battery Solutions:

Consumer Cells

Chargers

Video Packs

Cordless Packs





VARTA – THE BATTERY EXPERTS: Its exceptional expertise, the competence in the field of batteries and the international reputation of the brand makes the company Varta to a preferred partner for every type of batteries. Varta's complete range of high performance universal, micro and rechargeable batteries match all general and specific needs.

Batteries – mobile energy sources which are continuously expanding into new areas – are the focus of all Varta activities now and in the future.

Exceptional Battery Power: by Varta.





RECHARGEABLE BATTERY SOLUTIONS FROM VARTA:

In line with its knowledge of the international markets, Varta supplies universal and tailor-made rechargeable battery solutions which are designed with these in mind. There are three application areas with diverse requirements, target groups and market situations where Varta regularly sets new standards in product and technological innovation.

CONSUMER ELECTRONICS

Consumer Cells
Chargers



CAMCORDER
Video Packs



TELECOMMUNICATION

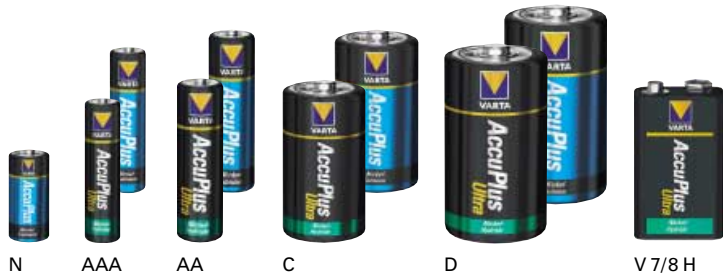
Cordless Packs



CONSUMER CELLS:

For universal applications, Varta offers an innovative, economical and environmentally-friendly alternative range of rechargeable batteries.

- Complete range in Nickel-Cadmium and Nickel-Hydrate technology
- Most-common Ni-MH size (AA) with an attractive price/performance ratio
- High cost-effectiveness and high performance, thanks to up to 1000 charge cycles



NEW

5606 with 1.400 mAh

Type	IEC cross reference	Other cross references	System	Voltage (V)	Capacity (mAh)	Applications
AccuPlus						
5001	KR 1	N, Lady	Ni-Cd	1.2	180	Calculator, TV, Clock, Car, Camera, Toy
5003	KR 03	AAA, Micro	Ni-Cd	1.2	300	Calculator, TV, Clock, Car, Camera, Toy
5006	KR 6	AA, Mignon	Ni-Cd	1.2	750	Calculator, TV, Clock, Car, Camera, Toy
5014	KR 14	C, Baby	Ni-Cd	1.2	2200	Calculator, TV, Clock, Car, Camera, Toy
5214	KR 14	C, Baby	Ni-Cd	1.2	1500 ³⁾	Calculator, TV, Clock, Car, Camera, Toy
5020	KR 20	D, Mono	Ni-Cd	1.2	4500	Calculator, TV, Clock, Car, Camera, Toy
5220	KR 20	D, Mono	Ni-Cd	1.2	1500 ³⁾	Calculator, TV, Clock, Car, Camera, Toy
AccuPlus Ultra						
5503	HR 03	AAA, Micro	Ni-MH	1.2	700	Calculator, TV, Clock, Car, Camera, Toy
5506 ¹⁾	HR 6	AA, Mignon	Ni-MH	1.2	1100	Calculator, TV, Clock, Car, Camera, Toy
NEW 5606 ²⁾	HR 6	AA, Mignon	Ni-MH	1.2	1400	Calculator, TV, Clock, Car, Camera, Toy
5514	HR 14	C, Baby	Ni-MH	1.2	2600	Calculator, TV, Clock, Car, Camera, Toy
NEW 5420	HR 20	D, Mono	Ni-MH	1.2	2600	Calculator, TV, Clock, Car, Camera, Toy
5520 ¹⁾	HR 20	D, Mono	Ni-MH	1.2	5000	Calculator, TV, Clock, Car, Camera, Toy
5522		V 7/8 H, 9-V-Block	Ni-MH	8.4	150	Calculator, TV, Clock, Car, Camera, Toy

1) Phase-out model

2) Upgraded model for 5506 (March 2001)

3) higher capacity

Ni-Cd Ni-MH

VIDEO PACKS:

Solutions for an Innovative Market

The Video Pack range from Varta offers a one-stop product portfolio which is tailor-made to the retailer's demands and is based on the core and non-core strategy:

- Core range of 8 types for approx. 90% of the camcorder market
- High capacity packs in Lithium-Ion and Nickel-Hydride technology

V 276 with
Information Electronics
compatible with Sony InfoLITHIUM®
NP-F330 ... 950 series L



V 276

CORE ASSORTMENT

Cross references ¹⁾		Type	Order-no.	System	Voltage	Capacity (mAh)	Weight (gr)	Size (l x w x h)
Canon		V 215	05535 101 401	Ni-MH	6.0	3600	342	93 x 47 x 37
Canon		V 274	05574 101 401	Li-Ion	7.2	1600	91	70 x 38 x 20
Panasonic	Blaupunkt, Grundig, Metz, Philips, Siemens, ...	V 218	05538 101 401	Ni-MH	4.8	3900	234	73 x 46 x 38
Panasonic	JVC, Sharp, Toshiba, Zenith, ...	V 261	05561 101 401	Ni-MH	9.6	2100	347	112 x 67 x 32
Panasonic		V 280	05580 101 401	Li-Ion	7.2	1600	105	74 x 46 x 22
Sony	Panasonic, JVC, Sharp, Mitsubishi, Fuji, ...	V 208	05508 101 401	Ni-MH	6.0	1800	178	89 x 46 x 19
Sony	Panasonic, JVC, Sharp, Mitsubishi, Fuji, ...	V 217	05537 101 401	Ni-MH	6.0	3900	298	89 x 46 x 44
Sony	Panasonic, Hitachi, ...	V 276	05576 101 401	Li-Ion	7.2	1600	99	71 x 38 x 21

1) and compatibles ■ Li-Ion ■ Ni-MH

only

8



for approximately

90%



DIGITAL CAMERAS:

Varta has developed a powerful photo battery which stands the big strain of digital technique: the Varta Photo Accu. This cell is especially made for applications with a high consumption of electricity – in particular for digital photography and its demands on mobile power supply. Varta offers the appropriate charger for “heavy users” as well: the Photo Accu Charger.

PHOTO ACCU

Varta special AA cell (1600 mAh) for high-drain applications such as digital cameras.



AA



PHOTO ACCU CHARGER

Quality charger, specifically adapted to the Photo Accu. Offered with 4 Photo Accu cells as Starter Set.



Photo Accu Charger



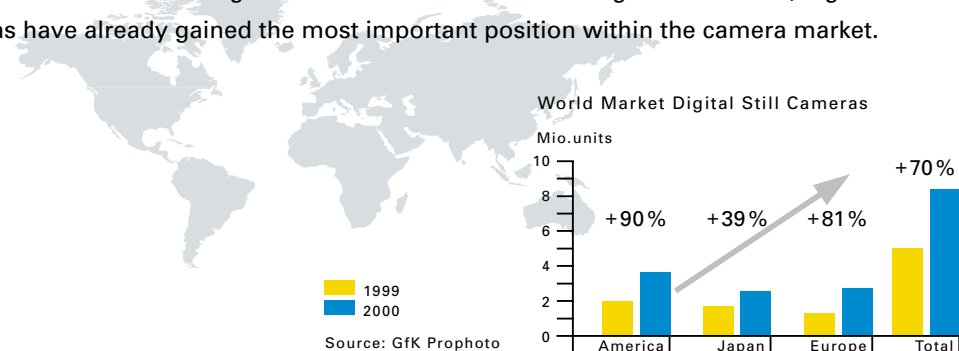
Type	IEC cross reference	Other cross references	System	Voltage (V)	Capacity (mAh)	Applications
Photo Accu						
5706	HR 6	AA, Mignon	Ni-MH	1.2	1600	

Ni-MH

Photo Accu Charger: Order-no.	Supply voltage	Plug	Equipped with 4 x 5706 AA Ni-MH
57039 120 451	230	UK	
57039 096 411	230	Euro	
57039 625 451	120	US	

WORLDWIDE DIGITAL CAMERA SUCCESS

A remarkable increase in digital camera sales was seen during 2000. In value, digital cameras have already gained the most important position within the camera market.





CHARGER:

With just two charger types, Varta offers a slim range for all battery sizes and all battery technologies.

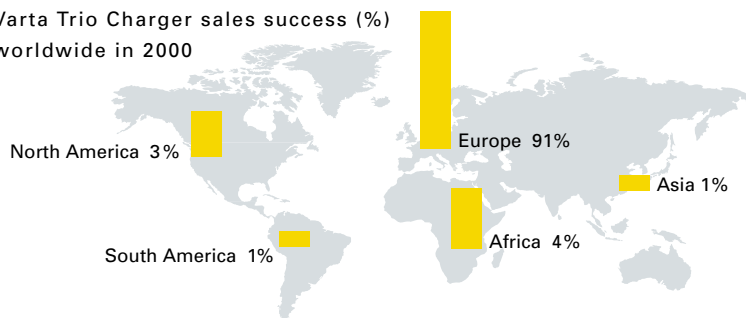
TRIO CHARGER

Charges the 3 most common battery sizes (in Ni-MH or Ni-Cd). The quality charger with different configuration and plug versions.



Trio Charger

Varta Trio Charger sales success (%) worldwide in 2000



Order-no.

Supply voltage

Plug

4 x AA
Ni-MH

4 x AA
Ni-Cd

without
batteries

Equipped with

57039 120 441 Trio Charger Ni-MH

230

UK

●

57039 096 401 Trio Charger

230

Euro

●

57039 096 421 Trio Charger Ni-MH¹⁾

230

Euro

●

NEW

57039 096 441 Trio Charger Ni-MH²⁾

230

Euro

●

57039 096 431 Trio Charger Ni-Cd

230

Euro

●

57039 625 441 Trio Charger Ni-MH

120

US

●

1) Phase-out model (until end of February 2001)
2) available March 2001

MULTI COMFORT CHARGER

The sophisticated high tech charger with the ability to charge a mix of all popular cell sizes in either Ni-Cd or Ni-MH systems. Charges batteries in all capacities. Comes without batteries.



Multi Comfort Charger

- Microprocessor controlled
- Easy to use
- Short charging times
- Prevents overcharging
- Individual LED displays

- Identification of defective cells
- Electronically controlled polarity check
- Discharge function → totally eliminates memory effect

Order-no.

Supply voltage

Plug

4 x AA
Ni-MH

4 x AA
Ni-Cd

without
batteries

Equipped with

57040 096 401 Multi Comfort Charger

230

Euro

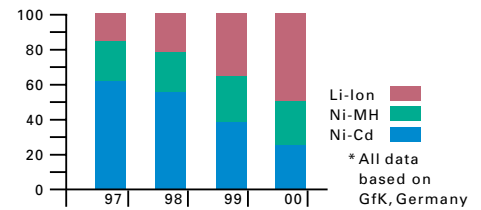
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8 VIDEO PACKS:

Rechargeable
Battery
Solutions

- Nickel-Hydrate technology has established itself as a powerful standard technology
- Lithium-Ion technology, for which Varta offers 11 types, is becoming the dominant technology in the video sector
- The full Video Pack range supplies batteries for all generations of camcorders.

Increasing market share
of Lithium-Ion technology



NON-CORE ASSORTMENT

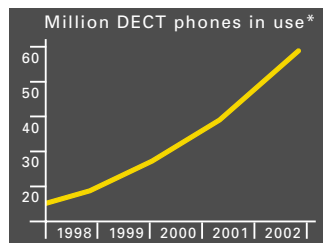
Cross references ¹⁾		Type	Upgraded model	Order-no.	System	Voltage	Capacity (mAh)	Weight (gr)	Size (l x w x h)
Bauer	Blaupunkt, Chinon, ELMO, G.E., Nikon, Olympus, ...	V 80		05980 101 401	Ni-Cd	7.2	1200	190	91 x 53 x 19
Canon		V 32	V 215, V 219	05932 101 401	Ni-Cd	6.0	2400	270	90 x 47 x 46
Canon		V 40		05940 101 111	Ni-Cd	6.0	2000	280	120 x 47 x 30
Canon		V 219		05539 101 401	Ni-MH	6.0	1800	185	90 x 47 x 23
Canon		V 277		05577 101 401	Li-Ion	7.2	800	59	71 x 30 x 16
Hitachi	Minolta, RCA, ...	V 57	V 214	05957 101 111	Ni-Cd	6.0	2000	276	90 x 47 x 48
Hitachi		V 214		05534 101 401	Ni-MH	6.0	1800	157	90 x 47 x 20
JVC		V 272		05572 101 401	Li-Ion	3.6	1600	47	71 x 20 x 20
JVC		V 275		05575 101 401	Li-Ion	7.2	600	46	70 x 29 x 15
JVC		V 279		05579 101 401	Li-Ion	7.2	1100	64	57 x 38 x 20
NEW JVC		V 281		05581 101 401	Li-Ion	7.2	1600	103	74 x 40 x 22
Panasonic	Minolta, Canon, Olympus, ...	V 12		05912 101 401	Pb	12.0	2300	634	181 x 61 x 23
Panasonic	JVC, Toshiba, Zenith, ...	V 61		05961 101 401	Ni-Cd	9.6	1400	295	112 x 67 x 31
Panasonic	JVC, Minolta, Olympus, Mitsubishi, ...	V 92		05992 101 401	Ni-Cd	6.0	2400	300	89 x 46 x 36
Panasonic	Blaupunkt, Grundig, Metz, Philips, Siemens, ...	V 201		05530 101 401	Ni-MH	4.8	1800	125	73 x 46 x 19
Panasonic	Blaupunkt, Grundig, Metz, Philips, Siemens, ...	V 216	V 218	05536 101 401	Ni-MH	4.8	3600	285	73 x 46 x 37
Panasonic	JVC, Hitachi, ...	V 271		05571 101 401	Li-Ion	7.2	1600	92	70 x 38 x 20
NEW Panasonic		V 282		05582 101 401	Li-Ion	7.2	1100	74	60 x 36 x 26
Panasonic		V 278	V 282	05578 101 401	Li-Ion	7.2	1600	119	59 x 36 x 37
Sharp		V 76	V 261	05976 101 401	Ni-Cd	9.6	1400	252	112 x 66 x 40
Sharp		V 221		05541 101 401	Ni-MH	3.6	2700	132	56 x 54 x 19
Sharp		V 273		05573 101 401	Li-Ion	3.6	2700	97	71 x 37 x 25
Sony	Sanyo, Fuji, ...	V 22		05922 101 401	Ni-Cd	6.0	1600	265	115 x 50 x 25
Sony	Olympus, Sanyo, Nikon, Minolta, ...	V 67		05967 101 401	Ni-Cd	6.0	2400	285	90 x 48 x 37
Sony	Panasonic, JVC, Sharp, Mitsubishi, Fuji, ...	V 111		05903 101 401	Ni-Cd	6.0	2400	300	89 x 47 x 41
Sony	Panasonic, JVC, Sharp, Mitsubishi, Fuji, ...	V 213	V 217	05533 101 401	Ni-MH	6.0	3600	342	89 x 46 x 37
Sony		V 270	V 276	05570 101 401	Li-Ion	7.2	1350	93	71 x 38 x 21

1) and compatibles ■ Pb ■ Ni-Cd ■ Ni-MH ■ Li-Ion

CORDLESS PACKS:

The Varta Cordless Pack range is a European multi-core range for a highly dynamic market, one in which Varta regularly sets new innovative standards:

- Nickel-Hydrate technology has established itself as a powerful technology
- The Varta Comfort Plug simplifies operation
- The Varta PhonePower T 399: The powerful DECT battery
- The new Varta PhonePower T 398: For the latest, stylish DECT phones



* All data based on varying sources (estimated by Varta)

PHONEPOWER:

Special cells for cordless
DECT phones

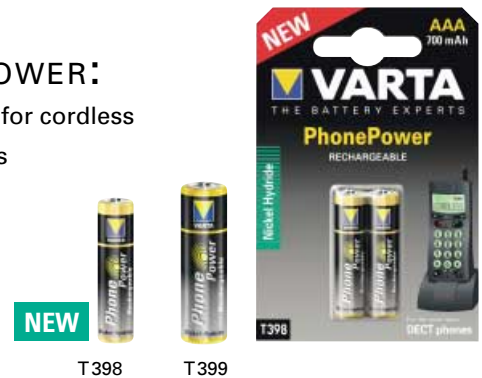


Illustration	Type	Cross references 1)
	T300	BT, Southwestern Bell
	T301	Alcatel, Answercall, Betacom, Dialatron, Panasonic
	T304	Binatone
	T306	Philips
	T312	Belgacom, Deutsche Telekom, Hagenuk, PTT
	T316	Samsung, Sanyo, Uniden
	T317	Philips
	T351	Binatone
	T373	Bellphone, Cobra, Sony
	T376	Sharp, Panasonic, Uniden
	T378	Cable & Wireless, Audioline, AT & T, Panasonic, Sanyo
	T383	General Electric, Mark, Samsung
	T385	Audioline, Betacom, Philips, Geemarc
	T386³⁾	Sanyo
	T388	Betacom, British Telecom, Geemarc, SW Bell
	T389	Philips
	T390	Philips
	T330	Bell South, Cresta, Profoon
	T332³⁾	Cresta, Profoon

1) and compatibles ■ Ni-Cd ■ Ni-MH
 2) available March 2001
 3) Phase-out model

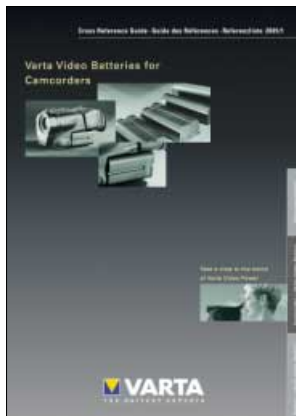
Illustration	Type	Cross references 1)
	T334³⁾	Dialatron, Uniden
	T335	Alcatel, GEC, Panasonic
	T336	Freedom Phone
	T337³⁾	Toshiba
	T338³⁾	Panasonic
	T340	Deutsche Telekom, Siemens
	T341	AEG, Telefunken, Uniden
	T343	Panasonic, PTT
	T345	Bosch, Philips, Uniden
	T347	Panasonic
	T348	Doro, Panasonic, PTT, Telia
	T350	Alcatel, Ericsson
	T352	Panasonic
	T353	BT, Sagem
	T354	BT
	T355	Samsung
	T358	BT Synergy DECT-Phone
	T398²⁾	DECT-Phones (operating with AAA cells)
	T399	DECT-Phones (operating with AA cells)

NEW
NEW



VARTA RECHARGEABLE COMMUNICATION MATERIAL:

Extensive and regularly-updated reference guides and retail information leaflets are available for each range.



CROSS REFERENCE GUIDE:
VIDEO PACKS



CROSS REFERENCE GUIDE:
CORDLESS PACKS



RETAIL INFORMATION LEAFLET:
CONSUMER CELLS
AND CHARGERS