

Referenzliste

Cross Reference Guide 2004

Guide des Références

CAMCORDER



hähnel
Power Solutions
for DIGITAL CAMERAS & CAMCORDERS

CAMCORDER BATTERIES

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The brand names specified are registered trademarks of the respective companies.
Please note that the camcorder and camera models listed in this reference listing are not necessarily
available in every country as each manufacturers tend to have different model numbers in each
continent and/or country.

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APRIL 2004

ALL MODELS IN BOLD ARE RECENT MODELS



MCL103

Li-Ion Fast Charger For All Leading Brands

Hähnel Type Camcorder Batteries

Part No.	Hähnel Type	mAh	Volt	Original Battery Type	Part No.	Hähnel Type	mAh	Volt	Original Battery Type
CANON TYPE					SONY TYPE INFO				
1000 179.5	HL-2L12	1200	7.4	BP-2L12	1000 173.0	HL-XL581 Silver	1850	7.2	NP-F550
1000 179.7	HL-406	600	7.4	BP-406	1000 173.1	HL-XL781 Silver	3700	7.2	NP-F750
1000 179.8	HL-412	1800	7.4	BP-406	1000 173.2	HL-XL981 Silver	5550	7.2	NP-F960
1000 179.9	HL-422	2600	7.4	BP-422	1000 173.3	HL-XL750VX	3700	7.2	NP-F750VX
1000 180.5	HL-916 Silver	1850	7.2	BP-915	1000 174.0	HL-IQM51 Silver	1250	7.2	NP-FM50
1000 180.6	HL-932 Silver	3700	7.2	BP-930	1000 174.1	HL-IQM71 Silver	2750	7.2	NP-QM71
1000 180.2	HL-945	5550	7.2	BP-945	1000 174.2	HL-IQM91 Silver	3900	7.2	NP-QM91
1000 180.3	HL-608 Silver	950	7.2	BP-608	1000 174.5	HL-XF70 Silver	1350	7.2	NP-FF50/70
1000 180.4	HL-617 Silver	1850	7.2	BP-617	1000 175.0	HL-XS11 Silver	1150	3.6	NP-FS11
1000 180.7	HL-511 Silver	1300	7.4	BP-511	1000 175.1	HL-XS22 Silver	2600	3.6	NP-FS21/31
1000 180.8	HL-522 Silver	2600	7.4	BP-522/535					
PANASONIC TYPE					HITACHI TYPE				
1000 181.0	HL-VBD1	1850	7.2	VBD1	1000 186.0	HL-BPL13	1850	7.2	VM-BPL13
1000 181.2	HL-V26	3700	7.2	CGR-V26 / 620	1000 186.1	HL-BPL27	3700	7.2	VM-BPL27
1000 181.3	HL-V14	1850	7.2	CGR-V14 / 610	1000 186.4	HL-BP16 Silver	2200	7.2	DZ-BP16 / D16
1000 181.4	HL-D08 Silver	1100	7.2	CGR-D08 / D120	1000 186.5	HL-BP28 Silver	3500	7.2	DZ-BP28 / D28
1000 181.5	HL-D16 Silver	2200	7.2	CGR-D16 / D220	1000 186.7	HL-BP14 Silver	1300	7.2	DZ-BP14S / DU14
1000 181.6	HL-D28 Silver	3500	7.2	CGR-D28 / D320					
1000 172.0	HL-U07 Silver	680 / 700	7.2	CGA-DU07	SAMSUNG TYPE				
1000 172.1	HL-U14 Silver	1300	7.2	CGA-DU14	1000 189.0	HL-160	1850	7.4	SB-L110A/160
1000 172.2	HL-U21 Silver	2040	7.2	CGA-DU21	1000 189.1	HL-320S	3700	7.4	SB-L320/480
					1000 189.3	HL-110 Silver	1350	7.4	SB-L110
					1000 189.4	HL-220S Silver	2500 / 2600	7.4	SB-L220
JVC TYPE					SHARP TYPE				
1000 182.0	HL-V812	1850	7.2	BN-V812	1000 190.1	HL-441	2600	7.4	BTL-221/441
1000 182.2	HL-712	1850	3.6	BN-V712/714	1000 190.8	HN-H22 Ni-MH	2800	3.6	BTH-22
1000 182.3	HL-607	1100	7.2	BN-V607	1000 190.9	HN-H32 Ni-MH	5600	3.6	BTH-32
1000 182.4	HL-615	2200	7.2	BN-V615	1000 190.5	HL-445	1900	7.4	BTL225/445
1000 182.5	HL-507 Silver	780	7.2	BN-V507	1000 190.6	HL-226 Silver	1000	7.4	BTL-226
1000 182.6	HL-514 Silver	1850	7.2	BN-V514					
1000 182.7	HL-207	1100	7.2	BN-V207					
1000 182.8	HL-214	1850	7.2	BN-V214					
1000 183.0	HL-408 Silver	1100	7.2	BN-V408					
1000 183.1	HL-416 Silver	2200	7.2	BN-V416					
1000 183.2	HL-428 Silver	3400	7.2	BN-V428					
1000 183.3	HL-107 Silver	800	7.2	BN-V107					
1000 183.4	HL-114 Silver	1600	7.2	BN-V114					
1000 183.5	HL-306	650	7.2	BN-V306					
1000 183.6	HL-312	1300 / 1400	7.2	BN-V312					

PRECEDING / NOW DISCONTINUED HAHNEL TYPE CAMCORDER BATTERIES

Hähnel Type	mAh	Info
SONY TYPE INFO		
HL-S12/S21/S22	1200/2400/2400	Up to end 2000
HL-1S11/12/1S22	1150/1200/2400	Current Info System
HL-M50/70	1200/2400	Up to end 2000
HL-M51/71/91	1200/2400/3600	Up to Mid 2003
HL-XM51/71/91	1200/2400/3600	Up to Mid 2003
HL-SQM51/71/91	1250/2750/3900	Up to Mid 2003 ***

SYMBOL INDEX

± This product is a multi purpose media device, which incorporates two or more of the following, Video, Camera, MP3, Webcam Etc.
*** Up to Mid 2003



MCL103

Li-Ion Fast Charger For All Leading Brands

Camcorder	Original	hähnel Type	Media	Camcorder	Original	hähnel Type	Media
CCD TRV81	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV345	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD TRV93	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV35	NP-F550/F750/F960	HL-XL581/781/981	
CCD-SC5	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV36	NP-F550/F750/F960	HL-XL581/781/981	
CCD-SC55	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV37	NP-F550/F750/F960	HL-XL581/781/981	
CCD-SC65	NP-F550	HL-XL581		CCD-TRV408	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD-TR1	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV41	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR1100	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV416	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR1E	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV418	NP-FM50/QM71/91	HL-SQM51/71/91	
CCD-TR200	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV425	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD-TR205	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV427	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR2200	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV43	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR3100	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV46	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR3200	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV46	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR411	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV48	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR416	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV50	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD-TR417	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV57	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR425	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV58	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR427	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV58	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR500	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV59	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR511	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV608	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD-TR515	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV615	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR516	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV62	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR517	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV620	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR640	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV64	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR7000	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV65	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR713	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV66	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR716	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV67	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR717	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV68	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR728	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV69	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR820	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV716	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR825	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV717	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR840	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV72	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR845	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV728	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR87	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV740	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD-TR910	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV75	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR913	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV77	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR917	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV78	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR918	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV815	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR930	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV82	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TR940	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV840	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD-TR950	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV85	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV101	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV87	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV108	NP-FM50/QM71/91	HL-IQM51/71/91		CCD-TRV88	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV118	NP-FM50/QM71/91	HL-IQM51/71/91		CCD-TRV9	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV120	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV9	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV140	NP-FM50/QM71/91	HL-IQM51/71/91		CCD-TRV90	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV15	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV900	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV16	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV930	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV18	NP-FM50/QM71/91	HL-IQM51/71/91		CCD-TRV94	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV19	NP-FM50/QM71/91	HL-IQM51/71/91		CCD-TRV940	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV20	NP-FM50/QM71/91	HL-IQM51/71/91		CCD-TRV95	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV208	NP-FM50/QM71/91	HL-IQM51/71/91		CCD-TRV950	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD-TRV215	NP-F550/F750/F960	HL-XL581/781/981		CCD-TRV98	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV218	NP-FM50/QM71/91	HL-IQM51/71/91		CCD-TRV99	NP-F550/F750/F960	HL-XL581/781/981	
CCD-TRV240	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-DVD100	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD-TRV245	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-DVD101	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD-TRV25	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-DVD200	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD-TRV27	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-DVD201	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD-TRV3	NP-F550/F750/F960	HL-XL581/781/981		DCR-DVD300	NP-FM50/QM71/91	HL-IQM51/71/91	
CCD-TRV3000	NP-F550/F750/F960	HL-XL581/781/981		DCR-DVD91			
CCD-TRV308	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-HC14	NP-FM50/QM71/91	HL-IQM51/71/91	MS/ MS DUO
CCD-TRV318	NP-F550/F750/F960	HL-XL581/781/981		DCR-HC18	NP-FP50/70/90		MS/ MS DUO
CCD-TRV32	NP-F550/F750/F960	HL-XL581/781/981		DCR-HC20	NP-FP50/70/90		MS/ MS DUO
CCD-TRV330	NP-F550/F750/F960	HL-XL581/781/981		DCR-HC30	NP-FP50/70/90		MS/ MS DUO
CCD-TRV340	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-HC40	NP-FP50/70/90		MS/ MS DUO
				DCR-HC65	NP-FP50/70/90		MS/ MS DUO
				DCR-HC85	NP-FM50/QM71/91	HL-IQM51/71/91	MS/ MS DUO
				DCR-IP1	NP-FF70/71	HL-XF70	



MCL103

SONY TYPE



Li-Ion Fast Charger For All Sony Li-Ion Batteries C,F,L,M, & S

Camcorder	Original	hähnel Type	Media	Camcorder	Original	hähnel Type	Media
DCR-IP220	NP-FF70/71	HL-XF70		DCR-TRV315	NP-F550/F750/F960	HL-XL581/781/981	
DCR-IP5	NP-FF50/51/70/71	HL-XF70		DCR-TRV320	NP-F550/F750/F960	HL-XL581/781/981	
DCR-IP55	NP-FF50/51/70/71	HL-XF70		DCR-TRV325	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-IP7	NP-FF50/51/70/71	HL-XF70		DCR-TRV33 ***	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-IPC10	NP-FF50/51/70/71	HL-XF70		DCR-TRV330	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-IPC20	NP-FF50/51/70/71	HL-XF70		DCR-TRV33E	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC1	NP-FS11/FS21/FS31	HL-XS11/XS22		DCR-TRV340	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC100	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV345	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC101	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV350	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC103	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV355	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC104 ***	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV38 ***	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC105 ***	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV39	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC106	NP-FF50/51/70/71	HL-XF70	MS/ MS DUO	DCR-TRV40	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC107	NP-FF50/51/70/71	HL-XF70	MS/ MS DUO	DCR-TRV408	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC109	NP-FF50/51/70/71	HL-XF70	MS/ MS DUO	DCR-TRV410	NP-F550/F750/F960	HL-XL581/781/981	
DCR-PC110	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV418	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC115	NP-F550/F750/F960	HL-XL581/781/981		DCR-TRV430	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC120	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV460	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC2	NP-FS11/FS21/FS31	HL-XS11/XS22		DCR-TRV5	NP-F550/F750/F960	HL-XL581/781/981	
DCR-PC3	NP-FS11/FS21/FS31	HL-XS11/XS22		DCR-TRV50	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC330 ±	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV510	NP-F550/F750/F960	HL-XL581/781/981	
DCR-PC4	NP-FS11/FS21/FS31	HL-XS11/XS22		DCR-TRV520	NP-F550/F750/F960	HL-XL581/781/981	
DCR-PC5	NP-FS11/FS21/FS31	HL-XS11/XS22		DCR-TRV530	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC6	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV6	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC8	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV60 ***	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-PC9	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV620	NP-F550/F750/F960	HL-XL581/781/981	
DCR-SC100	NP-F550	HL-XL581		DCR-TRV7	NP-F750/960	HL-XLF781/981	
DCR-TR238	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV70	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-TR7000	NP-F550/F750/F960	HL-XL581/781/981		DCR-TRV720	NP-F550/F750/F960	HL-XL581/781/981	
DCR-TR700D	NP-F550/F750/F960	HL-XL581/781/981		DCR-TRV725	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-TR7100	NP-F550/F750/F960	HL-XL581/781/981		DCR-TRV730	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-TR8000	NP-F550/F750/F960	HL-XL581/781/981		DCR-TRV738	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-TRV10	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV740	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-TRV103	NP-F550/F750/F960	HL-XL581/781/981		DCR-TRV748	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-TRV11	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV8	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-TRV110	NP-F550/F750/F960	HL-XL581/781/981		DCR-TRV80	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-TRV12	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV820	NP-F550/F750/F960	HL-XL581/781/981	
DCR-TRV120	NP-F550/F750/F960	HL-XL581/781/981		DCR-TRV828	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-TRV130	NP-F550/F750/F960	HL-XL581/781/981		DCR-TRV830	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-TRV14	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV840	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-TRV140	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV890	NP-F550/F750/F960	HL-XL581/781/981	
DCR-TRV145	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV9	NP-F550/F750/F960	HL-XL581/781/981	
DCR-TRV15	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV900	NP-F550/F750/F960	HL-XL581/781/981	
DCR-TRV16	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TRV950 ***	NP-FM50/QM71/91	HL-IQM51/71/91	
DCR-TRV17	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TVX1000	NP-F750	HL-XL750VX	
DCR-TRV18	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TVX2000	NP-F550/F750/F960	HL-XL581/781/981	
DCR-TRV19 ***	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-TVX700	NP-F750	HL-XL750VX	
DCR-TRV20	NP-F550/F750/F960	HL-XL581/781/981		DCR-TVX9000	NP-F750/F960	HL-XL781/981	
DCR-TRV208	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-VX2000	NP-F750/F960	HL-XL781/981	
DCR-TRV210	NP-F550/F750/F960	HL-XL581/781/981		DCR-VX2100	NP-F750/F960	HL-XL781/981	
DCR-TRV215	NP-FM50/QM71/91	HL-IQM51/71/91		DCR-VX700	NP-F550/F750/F960	HL-XL581/781/981	
DCR-TRV218	NP-FM50/QM71/91	HL-IQM51/71/91		DSR-PD150	NP-F550/F750/F960	HL-XL581/781/981	
DCR-TRV22 ***	NP-FM50/QM71/91	HL-IQM51/71/91		GV-A500 ±	NP-F750/F960	HL-XL781/981	
DCR-TRV228				GV-D1000 ±	NP-FM50	HL-IQM51	
DCR-TRV230	NP-FM50/QM71/91	HL-IQM51/71/91		GV-D200 ±	NP-F330	HL-XL581	
DCR-TRV235	NP-FM50/QM71/91	HL-IQM51/71/91		GV-D300 ±	NP-F550/F750/F960	HL-XL581/781/981	
DCR-TRV238	NP-FM50/QM71/91	HL-IQM51/71/91		GV-D300 ±	NP-F330	HL-XL581	
DCR-TRV239	NP-FM50/QM71/91	HL-IQM51/71/91		GV-D300 ±	NP-F330	HL-XL581	
DCR-TRV24	NP-FM50/QM71/91	HL-IQM51/71/91		GV-D900 ±	NP-F750/F960	HL-XL781/981	
DCR-TRV240	NP-FM50/QM71/91	HL-IQM51/71/91					
DCR-TRV245	NP-FM50/QM71/91	HL-IQM51/71/91					
DCR-TRV25	NP-FM50/QM71/91	HL-IQM51/71/91					
DCR-TRV250	NP-FM50/QM71/91	HL-IQM51/71/91					
DCR-TRV255							
DCR-TRV260	NP-FM50/QM71/91	HL-IQM51/71/91	MS				
DCR-TRV265	NP-FM50/QM71/91	HL-IQM51/71/91	MS				
DCR-TRV27	NP-FM50/QM71/91	HL-IQM51/71/91					
DCR-TRV30	NP-FM50/QM71/91	HL-IQM51/71/91					
DCR-TRV310	NP-F550/F750/F960	HL-XL581/781/981					



MCL103 SONY TYPE

Li-Ion Fast Charger For All Sony Li-Ion Batteries C,F,L,M, & S



Camcorder	Original	hähnel Type	Media	Camcorder	Original	hähnel Type	Media
DVMV100	BP-608/617	HL-608/HL-617		MV500	BP-511/512/522/535	HL-511/HL-522	
DVMV20	BP-608/617	HL-608/HL-617		MV500i	BP-511/512/522/535	HL-511/HL-522	
ELURA	BP-608/617	HL-608/HL-617		MV520	BP-511/512/522/535	HL-511/HL-522	
ELURA 10	BP-406/407/412/422	HL-406/412/422		MV530	BP-511/512/522/535	HL-511/HL-522	
ELURA 2	BP-406/407/412/422	HL-406/412/422		MV530i	BP-511/512/522/535	HL-511/HL-522	
ELURA 20MC	BP-406/407/412/422	HL-406/412/422		MV550	BP-511/512/522/535	HL-511/HL-522	
ELURA 40MC	NB-2L/BP-2L12/2F12	HL-2L/2L12		MV550i	BP-511/512/522/535	HL-511/HL-522	
ES300V	BP-915/930/945	HL-916/932/945		MV5i	NB-2L/BP-2L12/2F12	HL-2L/2L12	
ES4000	BP-915/930/945	HL-916/932/945		MV5i	NB-2L/BP-2L12/2F12	HL-2L/2L12	
ES410V	BP-915/930/945	HL-916/932/945		MV5iMC	NB-2L/BP-2L12/2F12	HL-2L/2L12	
ES420	BP-915/930/945	HL-916/932/945		MV5iMC	NB-2L/BP-2L12/2F12	HL-2L/2L12	
ES50	BP-915/930/945	HL-916/932/945		MV6	NB-2L/BP-2L12/2F12	HL-2L/2L12	
ES5000	BP-915/930/945	HL-916/932/945		MV600	BP-511/512/522/535	HL-511/HL-522	
ES520A	BP-915/930/945	HL-916/932/945		MV600i	BP-511/512/522/535	HL-511/HL-522	
ES60	BP-915/930/945	HL-916/932/945		MV630	BP-511/512/522/535	HL-511/HL-522	
ES6000	BP-915/930/945	HL-916/932/945		MV630i	BP-511/512/522/535	HL-511/HL-522	
ES65	BP-915/930/945	HL-916/932/945		MV650	BP-511/512/522/535	HL-511/HL-522	
ES7000V	BP-915/930/945	HL-916/932/945		MV650i	BP-511/512/522/535	HL-511/HL-522	
ES700ES	BP-915/930/945	HL-916/932/945		MV6i	NB-2L/BP-2L12/2F12	HL-2L/2L12	
ES75	BP-915/930/945	HL-916/932/945		MV700	BP-511/512/522/535	HL-511/HL-522	
ES8000V	BP-915/930/945	HL-916/932/945		MV700i	BP-511/512/522/535	HL-511/HL-522	
ES8100Hi8	BP-915/930/945	HL-916/932/945		MV750	BP-511/512/522/535	HL-511/HL-522	
ES8100V	BP-915/930/945	HL-916/932/945		MOVX1	BP-511/512/522/535	HL-511/HL-522	
ES8200	BP-915/930/945	HL-916/932/945		MOVX10	BP-406/407/412/422	HL-406/412/422	
ES8200V	BP-915/930/945	HL-916/932/945		MOVX100	BP-511/512/522/535	HL-511/HL-522	
ES8400	BP-915/930/945	HL-916/932/945		MOVX100i	BP-511/512/522/535	HL-511/HL-522	
ES8600	BP-915/930/945	HL-916/932/945		MOVX150	BP-511/512/522/535	HL-511/HL-522	
FV40	BP-511/512/522/535	HL-511/HL-522	SD	MOVX150i	BP-511/512/522/535	HL-511/HL-522	
FV400	BP-511/512/522/535	HL-511/HL-522	SD	MOVX2i	BP-511/512/522/535	HL-511/HL-522	
G10	BP-915/930/945	HL-916/932/945		MOVX3i	BP-511/512/522/535	HL-511/HL-522	
G1000	BP-915/930/945	HL-916/932/945		MOVXLi	BP-511/512/522/535	HL-511/HL-522	
G10Hi	BP-915/930/945	HL-916/932/945		OPTURA	BP-511/512/522/535	HL-511/HL-522	
G15	BP-915/930/945	HL-916/932/945		Optura 100MC	BP-511/512/522/535	HL-511/HL-522	
G1500	BP-915/930/945	HL-916/932/945		Optura 200MC	BP-511/512/522/535	HL-511/HL-522	
G20	BP-915/930/945	HL-916/932/945		Optura Pi	BP-511/512/522/535	HL-511/HL-522	
G2000	BP-915/930/945	HL-916/932/945		UCV100	BP-915/930/945	HL-916/932/945	
G30	BP-915/930/945	HL-916/932/945		UCV10Hi	BP-915/930/945	HL-916/932/945	
G35	BP-915/930/945	HL-916/932/945		UCV200	BP-915/930/945	HL-916/932/945	
G45	BP-915/930/945	HL-916/932/945		UCV20Hi	BP-915/930/945	HL-916/932/945	
GL1	BP-915/930/945	HL-916/932/945		UCV30Hi	BP-915/930/945	HL-916/932/945	
GL2	BP-915/930/945	HL-916/932/945		UCX2	BP-915/930/945	HL-916/932/945	
ICX1Hi	BP-915/930/945	HL-916/932/945		UCX2Hi	BP-915/930/945	HL-916/932/945	
MV1	BP-915/930/945	HL-916/932/945		UCX30Hi	BP-915/930/945	HL-916/932/945	
MV1	BP-915/930/945	HL-916/932/945		UCX3Hi	BP-915/930/945	HL-916/932/945	
MV10	BP-915/930/945	HL-916/932/945		UCX40Hi	BP-915/930/945	HL-916/932/945	
MV10	BP-915/930/945	HL-916/932/945		UCX45Hi	BP-915/930/945	HL-916/932/945	
MV100	BP-915/930/945	HL-916/932/945		UCX50Hi	BP-915/930/945	HL-916/932/945	
MV20	BP-608/617	HL-608/HL-617		UCX55Hi	BP-915/930/945	HL-916/932/945	
MV200	BP-915	HL-916		ULTURA	BP-915/930/945	HL-916/932/945	
MV3	BP-406/407/412/422	HL-406/412/422		UV-X20	BP-915/930/945	HL-916/932/945	
MV30	BP-511/512/522/535	HL-511/HL-522		V20	BP-915/930/945	HL-916/932/945	
MV300	BP-511/512/522/535	HL-511/HL-522		V200	BP-915/930/945	HL-916/932/945	
MV300i	BP-511/512/522/535	HL-511/HL-522		V30	BP-915/930/945	HL-916/932/945	
MV30i	BP-511/512/522/535	HL-511/HL-522		V300	BP-915/930/945	HL-916/932/945	
MV30i	BP-511/512/522/535	HL-511/HL-522		V40	BP-915/930/945	HL-916/932/945	
MV4	BP-406/422	HL-406/412/422		V400	BP-915/930/945	HL-916/932/945	
MV400	BP-511/512/522/535	HL-511/HL-522		V40Hi	BP-915/930/945	HL-916/932/945	
MV400i	BP-511/512/522/535	HL-511/HL-522		V420	BP-915/930/945	HL-916/932/945	
MV430	BP-511/512/522/535	HL-511/HL-522		V50	BP-915/930/945	HL-916/932/945	
MV430i	BP-511/512/522/535	HL-511/HL-522		V500	BP-915/930/945	HL-916/932/945	
MV450	BP-511/512/522/535	HL-511/HL-522		V520	BP-915/930/945	HL-916/932/945	
MV450i	BP-511/512/522/535	HL-511/HL-522		V60	BP-915/930/945	HL-916/932/945	
MV4i	BP-406/407/412/422	HL-406/412/422		V65	BP-915/930/945	HL-916/932/945	
MV4i MC	BP-406/407/412/422	HL-406/412/422		VISTURA	BP-915/930/945	HL-916/932/945	
MV5	NB-2L/BP-2L12/2F12	HL-2L/2L12		X1 Hi	BP-915/930/945	HL-916/932/945	



MCL103

CANON TYPE

Li-Ion Fast Charger For Practically All Canon Li-Ion Batteries



Camcorder	Original	hähnel Type	Media	Camcorder	Original	hähnel Type	Media
X150i	BP-511/512/522/535	HL-511/HL-522					
X2 Hi	BP-915/930/945	HL-916/932/945					
X30 Hi	BP-915/930/945	HL-916/932/945					
X40 Hi	BP-915/930/945	HL-916/932/945					
X45 Hi	BP-915/930/945	HL-916/932/945					
X50 Hi	BP-915/930/945	HL-916/932/945					
X55 Hi	BP-915/930/945	HL-916/932/945					
XL1	BP-915/930/945	HL-916/932/945					
XL1S	BP-915/930/945	HL-916/932/945					
XLM2	BP-915/930/945	HL-916/932/945					
XM1	BP-915/930/945	HL-916/932/945					
XM2	BP-915/930/945	HL-916/932/945					
ZR	BP-608	HL-608					
ZR10	BP-608/617	HL-608/HL-617					
ZR100	BP-608/617	HL-608/HL-617					
ZR20	BP-511/512/522/535	HL-511/HL-522					
ZR25mc	BP-511/512/522/535	HL-511/HL-522					
ZR30mc	BP-511/512/522/535	HL-511/HL-522					
ZR40	BP-511/512/522/535	HL-511/HL-522					
ZR45	BP-511/512/522/535	HL-511/HL-522					
ZR50	BP-511/512/522/535	HL-511/HL-522					
ZR50MC	BP-511/512/522/535	HL-511/HL-522					
ZR60MC	BP-511/512/522/535	HL-511/HL-522					
ZR65MC	BP-511/512/522/535	HL-511/HL-522					
ZR70MC	BP-511/512/522/535	HL-511/HL-522					
ZR80	BP-511/512/522/535	HL-511/HL-522	SD				
ZR85	BP-511/512/522/535	HL-511/HL-522	SD				
ZR90	BP-511/512/522/535	HL-511/HL-522	SD				
ZRCV11	BP-608/617	HL-608/HL-617					



MCL103 CANON TYPE

Li-Ion Fast Charger For Practically All Canon Li-Ion Batteries



Camcorder	Original	hähnel Type	Media	Camcorder	Original	hähnel Type	Media
AG-BP15P	VBD1/B202/DBP5	HL-VBD1		NV-GS1	CGR-D08/16/28	HL-D08/D16/D28	
AG-BP25	VBD1/B202/DBP5	HL-VBD1		NV-GS10B	CGA-DU07/14/21	HL-U07/U14/21	
AG-DC15	CGR-D08/16/28	HL-D08/D16/D28		NV-GS11	CGR-D08/16/28	HL-D08/D16/D28	SD
AG-DV1DC	CGR-D08/16/28	HL-D08/D16/D28		NV-GS12	CGR-D08/16/28	HL-D08/D16/D28	SD
AG-DVC15	CGR-D08/16/28	HL-D08/D16/D28		NV-GS120	CGA-DU07/14/21	HL-U07/U14/21	SD
AG-DVX100	CGR-D08/16/28	HL-D08/D16/D28		NV-GS14	CGR-D08/16/28	HL-D08/D16/D28	SD
AG-EZ1	VBD1/B202/DBP5	HL-VBD1		NV-GS15	CGR-D08/16/28	HL-D08/D16/D28	SD
AG-EZ80	VBD1/B202/DBP5	HL-VBD1		NV-GS200	CGA-DU07/14/21	HL-U07/U14/21	SD
DZ-MV200A	CGR-D08/16/28	HL-D08/D16/D28		NV-GS22			SD
DZ-MV200E	CGR-D08/16/28	HL-D08/D16/D28		NV-GS3	CGR-D08/16/28	HL-D08/D16/D28	
DZ-MV208E	CGR-D08/16/28	HL-D08/D16/D28		NV-GS30B	CGA-DU07/14/21	HL-U07/U14/21	
DZ-MV230A	CGR-D08/16/28	HL-D08/D16/D28		NV-GS33			SD
DZ-MV230E	CGR-D08/16/28	HL-D08/D16/D28		NV-GS4	CGR-D08/16/28	HL-D08/D16/D28	
DZ-MV250	CGR-D08/16/28	HL-D08/D16/D28		NV-GS40B	CGA-DU07/14/21	HL-U07/U14/21	
DZ-MV270A	CGR-D08/16/28	HL-D08/D16/D28		NV-GS5	CGR-D08/16/28	HL-D08/D16/D28	
DZ-MV270E	CGR-D08/16/28	HL-D08/D16/D28		NV-GS50B	CGA-DU07/14/21	HL-U07/U14/21	
GA-EZ20	VBD1/B202/DBP5	HL-VBD1		NV-GS55	CGA-DU07/14/21	HL-U07/U14/21	SD
GR-DVL9000U	VBD1/B202/DBP5	HL-VBD1		NV-GS70B	CGA-DU07/14/21	HL-U07/U14/21	
GR-DVM1U	VBD1/B202/DBP5	HL-VBD1		NV-GS9	CGR-D08/16/28	HL-D08/D16/D28	
GR-DVM801	VBD1/B202/DBP5	HL-VBD1		NV-GX7	CGR-D08/16/28	HL-D08/D16/D28	
GR-VBM1	VBD1/B202/DBP5	HL-VBD1		NV-MG3	CGR-D08/16/28	HL-D08/D16/D28	
NV-DA1	CGR-D08/16/28	HL-D08/D16/D28		NV-MX1	CGR-D08/16/28	HL-D08/D16/D28	
NV-DA1B	CGR-D08	HL-D08		NV-MX1000	CGR-D08/16/28	HL-D08/D16/D28	
NV-DA1EN	VBD1/B202/DBP5	HL-VBD1		NV-MX2	CGR-D08/16/28	HL-D08/D16/D28	
NV-DE3	VBD1/B202/DBP5	HL-VBD1		NV-MX2000	CGR-D08/16/28	HL-D08/D16/D28	
NV-DJ1	VBD1/B202/DBP5	HL-VBD1		NV-MX2500	CGR-D08/16/28	HL-D08/D16/D28	
NV-DJ100	VBD1/B202/DBP5	HL-VBD1		NV-MX300	CGR-D08/16/28	HL-D08/D16/D28	
NV-DS1	VBD1/B202/DBP5	HL-VBD1		NV-MX3000	CGR-D08/16/28	HL-D08/D16/D28	
NV-DS11	CGR-D08/16/28	HL-D08/D16/D28		NV-MX350	CGR-D08/16/28	HL-D08/D16/D28	
NV-DS12B	CGR-D08/16/28	HL-D08/D16/D28		NV-MX5	CGR-D08/16/28	HL-D08/D16/D28	
NV-DS15	CGR-D08/16/28	HL-D08/D16/D28		NV-MX500	CGR-D08/16/28	HL-D08/D16/D28	
NV-DS150	CGR-D08/16/28	HL-D08/D16/D28		NV-MX5000	CGR-D08/16/28	HL-D08/D16/D28	
NV-DS150B	CGR-D08/16/28	HL-D08/D16/D28		NV-MX7	CGR-D08/16/28	HL-D08/D16/D28	
NV-DS17	VBD1/B202/DBP5	HL-VBD1		NV-MX8	CGR-D08/16/28	HL-D08/D16/D28	
NV-DS25	CGR-D08/16/28	HL-D08/D16/D28		NV-RS7	CGR-V14/26	HL-V14/V26	
NV-DS27	CGR-D08/16/28	HL-D08/D16/D28		NV-RX14	CGR-V14/26	HL-V14/V26	
NV-DS28	CGR-D08/16/28	HL-D08/D16/D28		NV-RX17	CGR-V14	HL-V14	
NV-DS29	CGR-D08/16/28	HL-D08/D16/D28		NV-RX18	CGR-V14/26	HL-V14/V26	
NV-DS3	CGR-D08/16/28	HL-D08/D16/D28		NV-RX22	CGR-D08/16/29	HL-D08/D16/D29	
NV-DS30	CGR-D08/16/28	HL-D08/D16/D28		NV-RX24	CGR-V14/26	HL-V14/V26	
NV-DS33	CGR-D08/16/28	HL-D08/D16/D28		NV-RX27	CGR-V14/26	HL-V14/V26	
NV-DS35	CGR-D08/16/28	HL-D08/D16/D28		NV-RX33	CGR-D08/16/30	HL-D08/D16/D30	
NV-DS37	CGR-D08/16/28	HL-D08/D16/D28		NV-RX49	CGR-V14/26	HL-V14/V26	
NV-DS38	CGR-D08/16/28	HL-D08/D16/D28		NV-RX57	CGR-V14/26	HL-V14/V26	
NV-DS5	VBD1/B202/DBP5	HL-VBD1		NV-RX64	CGR-V14/26	HL-V14/V26	
NV-DS50	CGR-D08/16/28	HL-D08/D16/D28		NV-RX66	CGR-D08/16/31	HL-D08/D16/D31	
NV-DS55	CGR-D08/16/28	HL-D08/D16/D28		NV-RX67	CGR-V14	HL-V14	
NV-DS5EG	VBD1/B202/DBP5	HL-VBD1		NV-RZ1	CGR-V14/26	HL-V14/V26	
NV-DS60B	CGR-D08/16/28	HL-D08/D16/D28		NV-RZ10	CGR-V14/26	HL-V14/V26	
NV-DS65B	CGR-D08/16/28	HL-D08/D16/D28		NV-RZ15	CGR-V14/26	HL-V14/V26	
NV-DS77	CGR-D08/16/28	HL-D08/D16/D28		NV-RZ1B	CGR-V14/26	HL-V14/V26	
NV-DS77B	CGR-D08/16/28	HL-D08/D16/D28		NV-RZ2	CGR-V14/26	HL-V14/V26	
NV-DS8	CGR-D08/16/28	HL-D08/D16/D28					
NV-DS89	CGR-D08/16/28	HL-D08/D16/D28					
NV-DS99	CGR-D08/16/28	HL-D08/D16/D28					
NV-DS990	CGR-D08/16/28	HL-D08/D16/D28					
NV-DX1	VBD1/B202/DBP5	HL-VBD1					
NV-DX100E	VBD1/B202/DBP5	HL-VBD1					
NV-DX110E	VBD1/B202/DBP5	HL-VBD1					
NV-DX1E	VBD1/B202/DBP5	HL-VBD1					
NV-EX1	CGR-D08/16/28	HL-D08/D16/D28					
NV-EX1B	CGR-D08/16/28	HL-D08/D16/D28					
NV-EX21	CGR-D08/16/28	HL-D08/D16/D28					
NV-EX3	CGR-D08/16/28	HL-D08/D16/D28					



MCL103 PANASONIC TYPE

Li-Ion Fast Charger For Practically All Panasonic Li-Ion Batteries



Camcorder	Original	hähnel Type	Media	Camcorder	Original	hähnel Type	Media
NV-VS4	CGR-V14/26	HL-V14/V26		PV-DV800	CGR-D08/16/28	HL-D08/D16/D28	
NV-VS40	CGR-V14/26	HL-V14/V26		PV-DV800K	CGR-D08/16/28	HL-D08/D16/D28	
NV-VS40	CGR-V14/26	HL-V14/V26		PV-DV851	CGR-D08/16/28	HL-D08/D16/D28	
NV-VS50	CGR-V14/26	HL-V14/V26		PV-DV852	CGR-D08/16/28	HL-D08/D16/D28	
NV-VS7	CGR-V14/26	HL-V14/V26		PV-DV900	CGR-D08/16/32	HL-D08/D16/D32	
NV-VX24	CGR-V14/26	HL-V14/V26		PV-DV901	CGR-D08/16/28	HL-D08/D16/D28	
NV-VX27	CGR-V14	HL-V14		PV-DV951	CGR-D08/16/28	HL-D08/D16/D28	
NV-VX44	CGR-V14/26	HL-V14/V26		PV-DV952	CGR-D08/16/28	HL-D08/D16/D28	
NV-VX47	CGR-V14/26	HL-V14/V26		PV-DV952	CGR-D08/16/28	HL-D08/D16/D28	
NV-VX54	CGR-V14/26	HL-V14/V26		PV-DV953	CGR-D08/16/28	HL-D08/D16/D28	
NV-VX57	CGR-V14	HL-V14		PV-DVP8A	CGR-D08/16/28	HL-D08/D16/D28	
NV-VZ1	CGR-V14/26	HL-V14/V26		PV-GS12	CGA-DU07/14/21	HL-U07/U14/21	SD
NV-VZ10	CGR-V14/26	HL-V14/V26		PV-GS120	CGA-DU07/14/21	HL-U07/U14/21	SD
NV-VZ15	CGR-V14/26	HL-V14/V26		PV-GS14	CGA-DU07/14/21	HL-U07/U14/21	SD
NV-VZ17	CGR-V14/26	HL-V14/V26		PV-GS15	CGA-DU07/14/21	HL-U07/U14/21	SD
NV-Z1EN	CGR-V14/26	HL-V14/V26		PV-GS200	CGA-DU07/14/21	HL-U07/U14/21	SD
PV-BP8	CGR-D08/16/28	HL-D08/D16/D28		PV-GS50	CGA-DU07/14/21	HL-U07/U14	
PV-CS9				PV-GS55	CGA-DU07/14/21	HL-U07/U14/21	SD
PV-DBP5	VBD1/B202/DBP5	HL-VBD1		PV-GS70	CGA-DU07/14/21	HL-U07/U14	
PV-DBP8	CGR-D08/16/33	HL-D08/D16/D33		PV-GS9	CGA-DU07/14/21	HL-U07/U14/21	
PV-DC102	CGR-D08/16/28	HL-D08/D16/D28		PV-V1000	VBD1/B202/DBP5	HL-VBD1	
PV-DC103	CGR-D08/16/28	HL-D08/D16/D28		PV-VM202	CGR-D08/16/28	HL-D08/D16/D28	
PV-DC152	CGR-D08/16/28	HL-D08/D16/D28		SV-AS10 SD ±	CGA-S003		SD
PV-DC202	CGR-D08/16/28	HL-D08/D16/D28		SV-AV10 ±	VW-VBA10	HL-60	SD
PV-DC203	CGR-D08/16/28	HL-D08/D16/D28		SV-AV100 ±	VW-VBA10	HL-60	SD
PV-DC252	CGR-D08/16/28	HL-D08/D16/D28		SV-AV10A ±	VW-VBA10	HL-60	SD
PV-DC352	CGR-D08/16/28	HL-D08/D16/D28		SV-AV10D ±	VW-VBA10	HL-60	SD
PV-DC402	CGR-D08/16/28	HL-D08/D16/D28		SV-AV10S ±	VW-VBA10	HL-60	SD
PV-DC52	CGR-D08/16/28	HL-D08/D16/D28		SV-AV20 ±	VW-VBA10	HL-60	SD
PV-DC53	CGR-D08/16/28	HL-D08/D16/D28		SV-AV20A ±	VW-VBA10	HL-60	SD
PV-DC602	CGR-D08/16/28	HL-D08/D16/D28		SV-AV30 ±	VW-VBA10	HL-60	SD
PV-DC702	CGR-D08/16/28	HL-D08/D16/D28		VDR-M10	CGR-D08/16/28	HL-D08/D16/D28	
PV-DC73	CGR-D08/16/28	HL-D08/D16/D28		VDR-M20	CGR-D08/16/28	HL-D08/D16/D28	
PV-DC852	CGR-D08/16/28	HL-D08/D16/D28		VDR-M30 DVD	CGA-DU07/14/21	HL-U07/U14/U21	
PV-DC901	CGR-D08/16/28	HL-D08/D16/D28		VDR-M50 DVD	CGA-DU07/14/21	HL-U07/U14/21	SD
PV-DC952	CGR-D08/16/28	HL-D08/D16/D28		VDR-M70 DVD	CGA-DU07/14/21	HL-U07/U14/21	SD
PV-DC953	CGR-D08/16/28	HL-D08/D16/D28		VM-E340A	VBD1/B202/DBP5	HL-VBD1	
PV-DV100	CGR-D08/16/28	HL-D08/D16/D28		VM-E530A	VBD1/B202/DBP5	HL-VBD1	
PV-DV1000	VBD1/B202/DBP5	HL-VBD1		VM-E535LA	VBD1/B202/DBP5	HL-VBD1	
PV-DV100K	CGR-D08/16/28	HL-D08/D16/D28		VM-E540LA	VBD1/B202/DBP5	HL-VBD1	
PV-DV101	CGR-D08/16/28	HL-D08/D16/D28		VM-E545LS	VBD1/B202/DBP5	HL-VBD1	
PV-DV102	CGR-D08/16/28	HL-D08/D16/D28		VM-E555LA	VBD1/B202/DBP5	HL-VBD1	
PV-DV103	CGR-D08/16/28	HL-D08/D16/D28		VM-E635LA	VBD1/B202/DBP5	HL-VBD1	
PV-DV200	CGR-D08/16/28	HL-D08/D16/D28		VM-E645LA	VBD1/B202/DBP5	HL-VBD1	
PV-DV200K	CGR-D08/16/28	HL-D08/D16/D28		VM-E755LA	VBD1/B202/DBP5	HL-VBD1	
PV-DV201	CGR-D08/16/28	HL-D08/D16/D28		VM-E855LA	VBD1/B202/DBP5	HL-VBD1	
PV-DV202	CGR-D08/16/28	HL-D08/D16/D28		VMH-835LA	VBD1/B202/DBP5	HL-VBD1	
PV-DV203	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV351	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV400	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV400K	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV401	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV402	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV51	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV52	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV53	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV600	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV600K	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV601	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV602	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV700	VBD1/B202/DBP5	HL-VBD1					
PV-DV701	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV702	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV710	CGR-D08/16/28	HL-D08/D16/D28					
PV-DV73	CGR-D08/16/28	HL-D08/D16/D28					



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Li-Ion Fast Charger For Practically All Panasonic Li-Ion Batteries



Camcorder	Original	hähnel Type	Media	Camcorder	Original	hähnel Type	Media
D20	BN-V408/416/428	HL-408/416/428		DVL310U	BN-V408/416/428	HL-408/416/428	
D200	BN-V408/416/428	HL-408/416/428		DVL313	BN-V408/416/428	HL-408/416/428	
D23	BN-V408/416/428	HL-408/416/428	SD	DVL315	BN-V408/416/428	HL-408/416/428	
D230	BN-V408/416/428	HL-408/416/428	SD	DVL320	BN-V408/416/428	HL-408/416/428	
D30	BN-V408/416/428	HL-408/416/428		DVL33	BN-V207/214	HL-207/HL-214	
D33	BN-V408/416/428	HL-408/416/428	SD	DVL35	BN-V207/214	HL-207/HL-214	
D50	BN-V408/416/428	HL-408/416/428		DVL355	BN-V408/416/428	HL-408/416/428	
D53	BN-V408/416/428	HL-408/416/428	SD	DVL357	BN-V408/416/428	HL-408/416/428	
D60	BN-V408/416/428	HL-408/416/428		DVL365	BN-V408/416/428	HL-408/416/428	
D70	BN-V408/416/428	HL-408/416/428		DVL367	BN-V408/416/428	HL-408/416/428	
D72	BN-V408/416/428	HL-408/416/428	SD	DVL38	BN-V207/214	HL-207/HL-214	
D73	BN-V408/416/428	HL-408/416/428	SD	DVL40	BN-V207/214	HL-207/HL-214	
D93	BN-V408/416/428	HL-408/416/428	SD	DVL400	BN-V408/416/428	HL-408/416/428	
DV1	BN-V712/BN-V714	HL-712		DVL45	BN-V207/214	HL-207/HL-214	
DV14	BN-V712/BN-V714	HL-712		DVL450	BN-V408/416/428	HL-408/416/428	
DV1800	BN-V408/416/428	HL-408/416/428		DVL48	BN-V207/214	HL-207/HL-214	
DV1U	BN-V712/BN-V714	HL-712		DVL500	BN-V408/416/428	HL-408/416/428	
DV1W	BN-V712/BN-V714	HL-712		DVL505	BN-V408/416/428	HL-408/416/428	
DV2	BN-V712/BN-V714	HL-712		DVL505U	BN-V408/416/428	HL-408/416/428	
DV2000	BN-V408/416/428	HL-408/416/428		DVL507	BN-V408/416/428	HL-408/416/428	
DV2000U	BN-V408/416/428	HL-408/416/428		DVL510	BN-V408/416/428	HL-408/416/428	
DV3	BN-V607U/BN-V615	HL-607/615		DVL510U	BN-V408/416/428	HL-408/416/428	
DV300	BN-V408/416/428	HL-408/416/428		DVL520	BN-V408/416/428	HL-408/416/428	
DV3000	BN-V408/416/428	HL-408/416/428		DVL555	BN-V408/416/428	HL-408/416/428	
DV3U	BN-V607U/BN-V615	HL-607/615		DVL557	BN-V408/416/428	HL-408/416/428	
DV4000	BN-V408/416/428	HL-408/416/428		DVL600	BN-V408/416/428	HL-408/416/428	
DV5U	BN-V607U/BN-V615	HL-607/615		DVL610	BN-V408/416/428	HL-408/416/428	
DV700	BN-V408/416/428	HL-408/416/428		DVL707	BN-V408/416/428	HL-408/416/428	
DV808	BN-V607U/BN-V615	HL-607/615		DVL710	BN-V408/416/428	HL-408/416/428	
DVF1	BN-V712/BN-V714	HL-712		DVL720	BN-V408/416/428	HL-408/416/428	
DVF10EK	BN-V607U	HL-607		DVL725	BN-V408/416/428	HL-408/416/428	
DVF11	BN-V207/214	HL-207/HL-214		DVL767	BN-V408/416/428	HL-408/416/428	
DVF11U	BN-V207/214	HL-207/HL-214		DVL800	BN-V408/416/428	HL-408/416/428	
DVF21	BN-V207/214	HL-207/HL-214		DVL805	BN-V408/416/428	HL-408/416/428	
DVF21U	BN-V207/214	HL-207/HL-214		DVL810	BN-V408/416/428	HL-408/416/428	
DVF31	BN-V207/214	HL-207/HL-214		DVL815	BN-V408/416/428	HL-408/416/428	
DVF31U	BN-V207/214	HL-207/HL-214		DVL817	BN-V408/416/428	HL-408/416/428	
DVJ70	BN-V712/BN-V714	HL-712		DVL820	BN-V408/416/428	HL-408/416/428	
DVL100	BN-V408/416/428	HL-408/416/428		DVL867	BN-V408/416/428	HL-408/416/428	
DVL105	BN-V408/416/428	HL-408/416/428		DVL9000	BN-V812	HL-V812	
DVL107	BN-V408/416/428	HL-408/416/428		DVL910	BN-V408/416/428	HL-408/416/428	
DVL108	BN-V408/416/428	HL-408/416/428		DVL915	BN-V408/416/428	HL-408/416/428	
DVL109	BN-V408/416/428	HL-408/416/428		DVL915U	BN-V408/416/428	HL-408/416/428	
DVL120	BN-V408/416/428	HL-408/416/428		DVL920	BN-V408/416/428	HL-408/416/428	
DVL140	BN-V408/416/428	HL-408/416/428		DVL9200	BN-V607U/BN-V615	HL-607/615	
DVL150	BN-V408/416/428	HL-408/416/428		DVL9300	BN-V607U/BN-V615	HL-607/615	
DVL155	BN-V408/416/428	HL-408/416/428		DVL9500	BN-V207/214	HL-207/HL-214	
DVL157	BN-V408/416/428	HL-408/416/428		DVL9500U	BN-V607U/BN-V615	HL-607/615	
DVL160	BN-V408/416/428	HL-408/416/428		DVL9600	BN-V607U/BN-V615	HL-607/615	
DVL167	BN-V408/416/428	HL-408/416/428		DVL9700	BN-V607U/BN-V615	HL-607/615	
DVL1800	BN-V408/416/428	HL-408/416/428		DVL9800	BN-V607U/BN-V615	HL-607/615	
DVL1800EK	BN-V408/416/428	HL-408/416/428		DVM3	BN-V607U/BN-V615	HL-607/615	
DVL20	BN-V207/214	HL-207/HL-214		DVM5	BN-V607U/BN-V615	HL-607/615	
DVL200	BN-V408/416/428	HL-408/416/428		DVM50	BN-V507/514	HL-507/514	
DVL205	BN-V408/416/428	HL-408/416/428		DVM50U	BN-V507/514	HL-507/514	
DVL210	BN-V408/416/428	HL-408/416/428		DVM55	BN-V507/514	HL-507/514	
DVL25	BN-V207/214	HL-207/HL-214		DVM70	BN-V507/514	HL-507/514	
DVL257	BN-V408/416/428	HL-408/416/428		DVM75	BN-V507/514	HL-507/514	
DVL30	BN-V207/214	HL-207/HL-214		DVM75U	BN-V507/514	HL-507/514	
DVL300	BN-V408/416/428	HL-408/416/428		DVM76	BN-V306/312	HL-306/312	
DVL305	BN-V408/416/428	HL-408/416/428		DVM76U	BN-V306/312	HL-306/312	
DVL307	BN-V408/416/428	HL-408/416/428		DVM80	BN-V507/514	HL-507/514	
DVL308	BN-V408/416/428	HL-408/416/428		DVM828	BN-V607U/BN-V615	HL-607/615	
DVL309	BN-V408/416/428	HL-408/416/428		DVM90	BN-V507/514	HL-507/514	
DVL310	BN-V408/416/428	HL-408/416/428		DVM96	BN-V306/312	HL-306/312	



MCL103 JVC TYPE

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Camcorder	Original	hähnel Type	Media	Camcorder	Original	hähnel Type	Media
DVM96U	BN-V306/312	HL-306/312					
DVMS	BN-V607U/BN-V615	HL-607/615					
DVMSU	BN-V607U/BN-V615	HL-607/615					
DVP1	BV-V107U/V114U	HL-107/114					
DVP3	BV-V107U/V114U	HL-107/114					
DVP5	BV-V107U/V114U	HL-107/114					
DVP7	BV-V107U/V114U	HL-107/114					
DVP9	BV-V107U/V114U	HL-107/114					
DX10	BN-V507/514	HL-507/514					
DX4	BN-V507/514	HL-507/514					
DX40	BN-V507/514	HL-507/514					
DX400EG	BN-V306/312	HL-306/312					
DX407	BN-V306/312	HL-306/312					
DX407EG	BN-V306/312	HL-306/312					
DX40A	BN-V507/514	HL-507/514					
DX44	BN-V507/514	HL-507/514					
DX507	BN-V306/312	HL-306/312					
DX507EG	BN-V306/312	HL-306/312					
DX7	BN-V507/514	HL-507/514					
DX70	BN-V507/514	HL-507/514					
DX707	BN-V306/312	HL-306/312					
DX707EG	BN-V306/312	HL-306/312					
DX77	BN-V507/514	HL-507/514					
DX8	BN-V507/514	HL-507/514					
DX80	BN-V507/514	HL-507/514					
DX88	BN-V507/514	HL-507/514					
DX9	BN-V507/514	HL-507/514					
DX9	BN-V507/514	HL-507/514					
DX9	BN-V507/514	HL-507/514					
DX90	BN-V507/514	HL-507/514					
DX25	BV-V107U/V114U	HL-107/114					
DX28	BV-V107U/V114U	HL-107/114	SD				
DX300	BV-V107U/V114U	HL-107/114					
DX307	BV-V107U/V114U	HL-107/114	SD				
DX57	BV-V107U/V114U	HL-107/114	SD				
DX75	BV-V107U/V114U	HL-107/114					
DX77	BV-V107U/V114U	HL-107/114	SD				
DX95	BV-V107U/V114U	HL-107/114					
DX97	BV-V107U/V114U	HL-107/114	SD				
GVHT1U	BN-V607U/BN-V615	HL-607/615					
M50	BN-V507/514	HL-507/514					
M70	BN-V507/514	HL-507/514					



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Li-Ion Fast Charger For Practically All JVC Li-Ion Batteries



Camcorder	Original	hähnel Type	Media	Camcorder	Original	hähnel Type	Media
ITCAM-5 ±				VP-L700	SB-L110A/160/320/480	HL-160/320	
ITCAM-7 ±				VP-L710	SB-L110A/160/320/480	HL-160/320	
ITCAM-9 ±				VP-L750	SB-L110A/160/320/480	HL-160/320	
SCD20	SB-L110/220	HL-110S/220S		VP-L770	SB-L110A/160/320/480	HL-160/320	
SCD21	SB-L110/220	HL-110S/220S		VP-L800	SB-L110A/160/320/480	HL-160/320	
SCD23	SB-L110/220	HL-110S/220S		VP-L850	SB-L110A/160/320/480	HL-160/320	
SCD24	SB-L110/220	HL-110S/220S		VP-L860	SB-L110A/160/320/480	HL-160/320	
SCD27	SB-L110/220	HL-110S/220S		VP-M50	SB-L110A/160/320/480	HL-160/320	
SCD29	SB-L110/220	HL-110S/220S		VP-M51	SB-L110A/160/320/480	HL-160/320	
SCD31	SB-L110/220	HL-110S/220S		VP-M52	SB-L110A/160/320/480	HL-160/320	
SCD33	SB-L110/220	HL-110S/220S		VP-M53	SB-L110A/160/320/480	HL-160/320	
SCD34	SB-L110/220	HL-110S/220S		VP-SD20	SB-L110A/160/320/480	HL-160/320	
SCD39	SB-L110/220	HL-110S/220S		VP-W60	SB-L110A/160/320/480	HL-160/320	
SCD5000 DUOCAM	SB-L70G/110G		MS	VP-W61	SB-L110A/160/320/480	HL-160/320	
SCD5000i DUOCAM	SB-L70G/110G		MS	VP-W70	SB-L110A/160/320/480	HL-160/320	
SCD530	SB-L110/220	HL-110S/220S		VP-W71	SB-L110A/160/320/480	HL-160/320	
SCD590	SB-L110/220	HL-110S/220S		VP-W75	SB-L110A/160/320/480	HL-160/320	
SCD93	SB-L110/220	HL-110S/220S		VP-W76	SB-L110A/160/320/480	HL-160/320	
SCD99	SB-L110/220	HL-110S/220S		VP-W80	SB-L110A/160/320/480	HL-160/320	
SCL103				VP-W800U	SB-L110A/160/320/480	HL-160/320	
SCL107				VP-W87	SB-L110A/160/320/480	HL-160/320	
SCL303							
SCL6040							
SCL6050							
SCL750	SB-L110A/160/320/480	HL-160/320					
SCL810	SB-L110A/160/320/480	HL-160/320					
SCL860	SB-L110A/160/320/480	HL-160/320					
SCL870	SB-L110A/160/320/480	HL-160/320					
SCW80	SB-L110A/160/320/480	HL-160/320					
SCW87	SB-L110A/160/320/480	HL-160/320					
VP-D10	SB-L110/220	HL-110S/220S					
VP-D130	SB-L110/220	HL-110S/220S					
VP-D190	SB-L110/220	HL-110S/220S					
VP-D20	SB-L110/220	HL-110S/220S					
VP-D21	SB-L110/220	HL-110S/220S					
VP-D23	SB-L110/220	HL-110S/220S					
VP-D24	SB-L110/220	HL-110S/220S					
VP-D26	SB-L110/220	HL-110S/220S					
VP-D30	SB-L110/220	HL-110S/220S					
VP-D31	SB-L110/220	HL-110S/220S					
VP-D33	SB-L110/220	HL-110S/220S					
VP-D34	SB-L110/220	HL-110S/220S					
VP-D39	SB-L110/220	HL-110S/220S					
VP-D5000 DUOCAM	SB-L70G/110G		MS				
VP-D530	SB-L110/220	HL-110S/220S					
VP-D55	SB-L110/220	HL-110S/220S					
VP-D590	SB-L110/220	HL-110S/220S					
VP-D60	SB-L110/220	HL-110S/220S					
VP-D65	SB-L110/220	HL-110S/220S					
VP-D67	SB-L110/220	HL-110S/220S					
VP-D70	SB-L110/220	HL-110S/220S					
VP-D73	SB-L110/220	HL-110S/220S					
VP-D75	SB-L110/220	HL-110S/220S					
VP-D77	SB-L110/220	HL-110S/220S					
VP-D80	SB-L110/220	HL-110S/220S					
VP-D87	SB-L110/220	HL-110S/220S					
VP-D93	SB-L110/220	HL-110S/220S					
VP-D97	SB-L110/220	HL-110S/220S					
VP-D99	SB-L110/220	HL-110S/220S					
VP-L500	SB-L110A/160/320/480	HL-160/320					
VP-L520	SB-L110A/160/320/480	HL-160/320					
VP-L530	SB-L110A/160/320/480	HL-160/320					
VP-L600	SB-L110A/160/320/480	HL-160/320					
VP-L610	SB-L110A/160/320/480	HL-160/320					
VP-L630	SB-L110A/160/320/480	HL-160/320					



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Li-Ion Fast Charger For All Leading Brands

Camcorder	Original	hähnel Type	Media	Camcorder	Original	hähnel Type	Media
VL-A111H	BTH-22	HN-H22/32					
VL-AH10	BTH-22	HN-H22/32					
VL-AH131	BTH-22	HN-H22/32					
VL-AH30	BTH-22	HN-H22/32					
VL-AH50	BTH-22	HN-H22/32					
VL-E37	BTH-22	HN-H22/32					
VL-E47	BTH-22	HN-H22/32					
VL-E71	BTH-22	HN-H22/32					
VL-E73	BTH-22	HN-H22/32					
VL-E78	BTH-22	HN-H22/32					
VL-E83	BTH-22	HN-H22/32					
VL-E89	BTH-22	HN-H22/32					
VL-E96	BTH-22	HN-H22/32					
VL-E97	BTH-22	HN-H22/32					
VL-E98	BTH-22	HN-H22/32					
VL-E980	BTH-22	HN-H22/32					
VL-E990	BTH-22	HN-H22/32					
VL-H420	BTH-22	HN-H22/32					
VL-H94	BTL-221/441	HL-441					
VL-H950	BTH-22	HN-H22/32					
VL-H96	BTL-221/441	HL-441					
VL-ME10	BTL-221/441	HL-441					
VL-ME100	BTL-221/441	HL-441					
VL-NZ10	BTL-221/441	HL-441					
VL-NZ100	BTL-225/445	HL-445					
VL-NZ8	BTL-225/445	HL-445					
VL-PD3	BTL-221/441	HL-441					
VL-PD6	BTL-221/441	HL-441					
VL-SD20	BTL-221/441	HL-441					
VL-SD450	BTL-221/441	HL-441					
VL-SD650	BTL-221/441	HL-441					
VL-SW50	BTH-22	HN-H22/32					
VL-WD250	BTL-221/441	HL-441					
VL-Z10H	BTL-226	HL-226					
VL-Z1H	BTL-226	HL-226					
VL-Z300U	VR-BLZ9		SD				
VL-Z3H	BTL-226	HL-226					
VL-Z3S	BTL-226	HL-226					
VL-Z500U	VR-BLZ9		SD				
VL-Z5H	BTL-226	HL-226					
VL-Z7H	BTL-226	HL-226					
VL-Z7S	BTL-226	HL-226					
VL-Z800U	VR-BLZ9		SD				
VL-Z8H	BTL-226	HL-226					
VL-Z900	VR-BLZ9		SD				



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Li-Ion Fast Charger For All Leading Brands

Camcorder	Original	hähnel Type	Media	Camcorder	Original	hähnel Type	Media
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HITACHI			
DZ-MV100	DZ-BP16/BP28	HL-BP16/28	
DZ-MV200	DZ-BP16/BP28	HL-BP16/28	
DZ-MV208	DZ-BP16/BP28	HL-BP16/28	
DZ-MV230	DZ-BP16/BP28	HL-BP16/28	
DZ-MV270 DVD	DZ-BP14S	HL-BP14	SD
DZ-MV350 DVD	DZ-BP14S	HL-BP14	SD
DZ-MV380 DVD	DZ-BP14S	HL-BP14	SD
DZ-MV550A			SD
DZ-MV580A			SD
VMD-865L	VM-BPL13/BPL27	HL-BPL13/27	
VMD-875L	VM-BPL13/BPL27	HL-BPL13/27	
VMD-975L	VM-BPL13/BPL27	HL-BPL13/27	
VM-E540E	VM-BPL13/BPL27	HL-BPL13/27	
VM-H650E	VM-BPL13/BPL27	HL-BPL13/27	

GRUNDIG		
DLC 1	BPL-98	HL-D08/D16/D28
DLC 10	BPL-98	HL-D08/D16/D28
DLC 20	BPL-98	HL-D08/D16/D28
VM-E330E	VW-VBD1/CGR-B/202	HL-VBD1
VM-E535LE	VW-VBD1/CGR-B/202	HL-VBD1
VM-E635LE	VW-VBD1/CGR-B/202	HL-VBD1
VM-E835	VW-VBD1/CGR-B/202	HL-VBD1
VM-H80/E	VW-VBD1/CGR-B/202	HL-VBD1
VM-H90	VW-VBD1/CGR-B/202	HL-VBD1
VM-H630E	VW-VBD1/CGR-B/202	HL-VBD1
VM-H835	VW-VBD1/CGR-B/202	HL-VBD1
VM-H835LE	VW-VBD1/CGR-B/202	HL-VBD1
LC 900C	BPL-99	HL-V14/V26

THOMSON		
VM-D1	BN-V712/714	HL-V712
VM-D2	BN-V207/214	HL-207/214
VM-D3	BN-V207/214	HL-207/214
VM-D5	BN-V207/214	HL-207/214
VM-D6	BN-V207/214	HL-207/214
VM-D8	BN-V207/214	HL-207/214
VM-D9	BN-V507/514	HL-507/514
VMD 160 MS		



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