



AIR. NOTHING ELSE.

Batteries used for products of MBV AG

Batteries for Main Power Supply			Usage		Shape	No. of cells	Cell type	Chemical system	Composition	Rechargeable	Nom. Voltage [V]	Total capacity		Total weight [g]	UN 38.3	UN number
Item No. MBV New / Old	Item No. Merck	Designation	Instrument(s)	Quantity								[mAh]	[Wh]			
101.934 / 01.1011.01	N/A	9V Alkaline battery	DA-100 DA-100 NT MAS-100 Regulus	1	Battery	6	Energizer Industrial 6LR61 ⁽¹⁾	Zn-MnO ₂	See SDS	No	9	550	4.95	46	N/A	N/A ⁽⁶⁾
							VARTA Industrial 6LP3146 ⁽¹⁾	Zn-MnO ₂	See SDS	No	9	550	4.95	46	N/A	N/A ⁽⁶⁾
							Ansmann X-Power 6LR61 ⁽¹⁾	Zn-MnO ₂	See SDS	No	9	500	4.5	45	N/A	N/A ⁽⁶⁾
101.02.2009.01 / 02.2009.01	MASECOBAT	NiMH 1.2 V battery	MAS-100 Eco	2	Single Battery	1	Ansmann C-4500mAh	Ni-MH	See SDS	Yes	2.4	4'500	10.8	160	N/A	UN3496 ⁽⁷⁾
101.824 / 05.5009.02	MCGEXBATP	NiMH battery pack for MAS-100 CG Ex	MAS-100 CG Ex	1	Battery Pack	20	Panasonic HHR380AL	Ni-MH	See SDS	Yes	24	3'800	56.2	1'070	N/A	UN3496 ⁽⁷⁾
101.396 / 06.8002.02	MASEXBATE	Li-Ion battery pack for MAS-100 NT Ex	MAS-100 NT Ex	1	Battery Pack	2	Sanyo UR18650FM ⁽²⁾	Li-Ion	See SDS	Yes	7.4	2'500	18.5	105	Yes	UN3480 ⁽⁸⁾
							Panasonic NCR18650BF ⁽²⁾	Li-Ion	See SDS	Yes	7.2	3'250	24	105	Yes	UN3480 ⁽⁸⁾
101.389 / 06.8002.03	1092080001	Li-Ion battery pack for MAS-100 NT/VF/Atmos	MAS-100 NT MAS-100 VF MAS-100 Atmos	1	Battery Pack	6	Panasonic NCR18650B ⁽³⁾	Li-Ion	See SDS	Yes	7.2	10'000	72	300	Yes	UN3480 ⁽⁸⁾
							Panasonic NCR18650BF ⁽³⁾	Li-Ion	See SDS	Yes	7.2	10'000	72	300	Yes	UN3480 ⁽⁸⁾
200372	N/A	Accu Sirius	MAS-100 Sirius	1	Battery Pack	4	LG INR21700M50LT	Li-ion	See SDS	Yes	7.38	9'600	70.85	292	Yes	UN3480 ⁽⁸⁾

Real Time Clock Batteries			Usage		Shape	No. of cells	Cell type	Chemical system	Composition	Rechargeable	Total Voltage [V]	Capacity [mAh]	Li content [g]	Total weight [g]	UN 38.3	UN number
Item No. MBV New / Old	Item No. Merck	Designation	Instrument(s)	Quantity												
02.2022.01	N/A	Lithium-Metal battery RTC MAS-100 Eco	MAS-100 Eco	1	Button cell with leads	1	Renata CR1620FH-LF ⁽⁴⁾	Li-MnO ₂	See SDS	No	3	68	0.021	1.2	Yes	UN3090 ⁽⁹⁾
							Renata CR1632FH-LF ⁽⁴⁾	Li-MnO ₂	See SDS	No	3	125	0.037	1.8	Yes	UN3090 ⁽⁹⁾
130.0261 / 03.3122.01	N/A	Button cell battery 3V type CR2032	MAS-100 Atmos MAS-100 Libra MAS-100 VF	1	Button cell	1	Ansmann CR2032	Li-MnO ₂	See SDS	No	3	230	0.065	3.0	Yes	UN3090 ⁽⁹⁾
06.8006.01	1194620001	Timekeeper for MAS-100 NT	MAS-100 NT MAS-100 NT Ex MAS-100 Iso NT MAS-100 Iso MH	1	Button cell with crystal in SNAPHAT	1	Panasonic BR1632 ⁽⁵⁾	Li-(CF)	See SDS	No	3	120	0.04	1.5	Yes	UN3090 ⁽⁹⁾
							Panasonic BR1225 ⁽⁵⁾	Li-(CF)	See SDS	No	3	48	0.01	0.8	Yes	UN3090 ⁽⁹⁾

⁽¹⁾ Either battery type can be used

⁽²⁾ Either battery type can be used

⁽³⁾ Either battery type can be used

⁽⁴⁾ Either battery type can be used

⁽⁵⁾ Either battery type can be used

⁽⁶⁾ Batteries dry (Alkaline) are **not restricted as per Special Provision A123**

⁽⁷⁾ Ni-MH batteries are **not restricted as per Special Provision A199**

⁽⁸⁾ Li-Ion batteries **contained in equipment** are assigned to **UN3481**

⁽⁹⁾ Li-metal batteries **contained in equipment** are assigned to **UN3091**