

Zenith

www.zenithdcbattery.com

ZENITH OVERVIEW

Zenith DC battery is a division of U.B.S. UNION BATTERY SERVICE s.r.l., Italian battery company.

Zenith DC battery has been set with the specific aim to internationally promote maintenance free green energy packages for battery powered vehicles: floor machines, electric boats, solar-storage, golf-carts, A.W.P. and so on.

Zenith offers a full line of premium quality AGM DEEP-CYCLE batteries manufactured in China under our technical specifications and a full range of **Zenith HF battery chargers** manufactured in Italy. Chargers designed in order to always guarantee the best recharges and thus always the maximum performances of our packages.

A network of independent battery companies takes care of the distribution in every country by offering immediate deliveries and technical support. The common market approach is coordinated by the European Director of sales.



GOLF



SOLAR



FORKLIFT



FLOOR
MACHINES



MOBILITY



AERIAL
PLATFORM



CAMPER



MARINE

ZENITH in Europe



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Zenith

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BATTERY & CHARGER
COMPANY Zenith

SEALED
DEEP-CYCLE BATTERY'S
AND HIGH FREQUENCY CHARGERS
FOR BATTERY
POWERED SOLUTIONS



DIVISION OF





CODICE ZENITH	Volt	USA TYPE	Ah/5h C5	Ah/20HR C20	LENGTH MM	WIDTH MM	HEIGHT MM	TOTAL HEIGHT MM	WEIGHT KG	TERMINAL TYPE	PALLET QUANTITY
ZL060100*	6	-	165	200	306	169	226	226	30	M8	36
ZL060110	6	GC105	180	224	260	180	251	251	30	M8	40
ZL060115	6	DIN	190	225	244	190	275	275	32	M8	40
ZL060116*	6	DIN	190	225	244	190	275	275	32	AP	40
ZL060120	6	GC125	200	250	264	181	262	262	35,2	M8	32
ZL060125	6	305	255	335	295	178	346	366	47,8	DT	22
ZL060130	6	L16	311	400	295	178	404	424	56	DT	22
ZL080100*	8	GC860	129	155	260	182	268	272	31,7	M8	30
ZL080110	8	GC875	150	180	260	182	268	272	36,6	M8	30
ZL080115	8	GC890	165	200	260	182	295	299	40	M8	30
ZL120100*	12	-	-	7,5	151	65	95	101	2,73	F2	420
ZL120110	12	-	-	12	151	99	95	101	4,2	F2	264
ZL120115	12	-	-	18	181	77	167	167	6,22	M5	128
ZL120120	12	-	16,5	22	181	77	167	167	6,44	M5	128
ZL120125	12	-	19,8	24	167	175	125	125	9,2	M5	120
ZL12-24PWK	12	-	19,8	24	167	175	125	125	9,2	PWK	120
ZL120130	12	-	21,3	26	165	176	125	125	9,8	M6	120
ZL120135	12	-	28,5	35	196	131	155	167	11,5	M6	108
ZL120140	12	-	28,5	35	196	131	167	180	11,5	F25	108
ZL120150	12	-	32,8	40	198	166	174	174	13,6	M6	96
ZL120155	12	-	45	55	229	138	208	212	17,6	M6	64
ZL120160	12	DIN	49,2	60	265	166	188	190	22,2	AP	48
ZL120165	12	-	53,3	65	351	167	176	176	23,6	M6	48
ZL120170*	12	24	57,5	70	260	169	211	215	23,6	M6	48
ZL120175	12	24	70	85	260	170	211	215	25,2	M6	48
ZL120180*	12	27	74	90	307	169	211	215	28,7	M6	36
ZL120185	12	27	85	105	307	169	211	215	30,4	M6	36
ZL120190	12	31	90	115	328	172	214	220	32,7	M8	36
ZL1201100	12	-	98	120	407	174	210	240	38,2	M8	27
ZL1201105	12	DIN	110	130	345	172	280	285	42	M8	24
ZL1201106*	12	DIN	110	130	345	172	280	285	42	AP	24
ZL1201110	12	-	120	145	341	173	281	287	44	M8	24
ZL1201115	12	-	123	160	484	171	241	241	45,5	M8	24
ZL1201120	12	4D	147,5	200	530	209	214	218	56,8	M8	20
ZL1201130	12	185	170	215	381	178	351	371	60	DT	20
ZL1201135	12	4D	172	220	522	242	218	222	65	M8	18
ZL1201145	12	8D	213	260	521	269	220	224	78	M8	12

* NOT AVAILABLE IN STOCK.



ZENITH HIGH FREQUENCY BATTERY CHARGERS

STABILIZED: correct charge level even with wide supply voltage fluctuations. Using very long supply extensions does not therefore compromise the correct battery recharge. The minimum supply voltage is 185V, while the maximum one is 265V.

COMPACT AND LIGHT: the use of high frequency technology allows to manufacture smaller and lighter chargers.

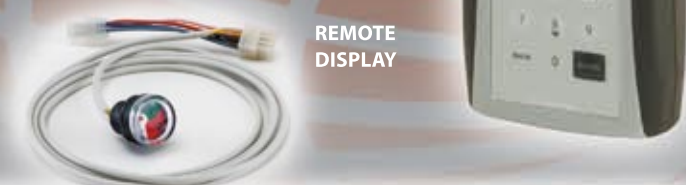
VERSATILE: the ZHF-chargers can be easily installed on-board (they are provided with mains presence block and minimum battery tension block). Both wall fixed and desk standing usages are possible too.




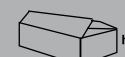
SIMPLE: the charging cycle starts automatically, simply connecting the battery. The microprocessor estimates the battery's discharge level and the correspondent charging duration.

RELIABLE: the protective resin the card has been dipped in protects the circuits against oxidation. Roof protection available on demand, in case of wall fixed usage.

DATA MEMORY: down time and warranty claims are reduced by controlling operator working practice.

FLEXIBLE: through the **MP TOP II** it is possible to set the charger both for lead acid or sealed (GEL, AGM) batteries. You can moreover select the capacity of the battery to be recharged (within each model's limits).



MAX CHARGE TIME WITH 80% DISCHARGED BATTERY																	
V	A	code	Kw	A ~ 230 V					pallet quantity	flooded				sealed			
										13h		11h		8h		12h	
										Ah/C 5 MIN. MAX.	Ah/C 5 MIN. MAX.	Ah/C 5 MIN. MAX.	Ah/C 5 MIN. MAX.	Ah/C 5 MIN. MAX.	Ah/C 5 MIN. MAX.		
12	12	ZHF1212	0,23	1,8	1,3	2,4	234x121xh67	400x295xh105	40	30	140	30	120	30	80	30	120
12	25	ZHF1225	0,45	3,2	1,3	2,4	234x121xh67	400x295xh105	40	100	300	100	240	100	160	100	240
12-24	12	ZHF122412*	0,41	1,8/3,0	1,3	2,4	234x121xh67	400x295xh105	40	30	140	30	120	30	80	30	120
24	12	ZHF2412	0,41	3,0	1,3	2,4	234x121xh67	400x295xh105	40	30	140	30	120	30	80	30	120
24	20	ZHF2420	0,67	4,6	1,5	2,6	234x121xh67	400x295xh105	40	80	240	80	200	80	120	80	200
24	30	ZHF2430	1,00	7,0	2,3	3,4	259x146xh81	400x295xh105	40	120	360	120	300	120	180	120	300
24	60	ZHF2460	2,00	12,0	3,9	6,0	330x175xh100	600x395xh125	20	180	720	180	600	180	360	180	600
36	20	ZHF3620	1,00	6,9	2,3	3,4	259x146xh81	400x295xh105	40	80	240	80	200	80	120	80	200
36	40	ZHF3640	2,00	12,0	3,9	6,0	330x175xh100	600x395xh125	20	160	480	160	420	160	240	160	420
48	15	ZHF4815	1,00	6,8	2,3	3,4	259x146xh81	400x295xh105	40	60	180	60	160	60	80	60	160
48	30	ZHF4830	2,00	12,0	3,9	6,0	330x175xh100	600x395xh125	20	120	360	120	300	120	180	120	300
60	20	ZHF6020	1,70	10,0	3,9	6,0	330x175xh100	600x395xh125	20	80	240	80	200	80	120	80	200
72	20	ZHF7220	2,00	12,0	3,9	6,0	330x175xh100	600x395xh125	20	80	240	80	200	80	120	80	200
80	20	ZHF8020	2,10	14,0	3,9	6,0	330x175xh100	600x395xh125	20	80	240	80	200	80	120	80	200
84	20	ZHF8420	2,10	14,5	3,9	6,0	330x175xh100	600x395xh125	20	80	240	80	200	80	120	80	200

* automatic battery switch

12/24V

Mains voltage: MIN. 185V - MAX. 265V

Frequency: 47 / 62 Hz

Efficiency: > 85%

Room working temperature: 0°C / + 40°C

Min. battery voltage

To let the charge cycle starts: 1,00 V/CEL

Charge profile for flooded batteries: IWOP

Charge profile for sealed batteries: IUOP

Mains cable: 2.0 MT

Twin output cable: 2.5 MT

Pallet sizes: 800 x 1200

