

FULBAT[®]

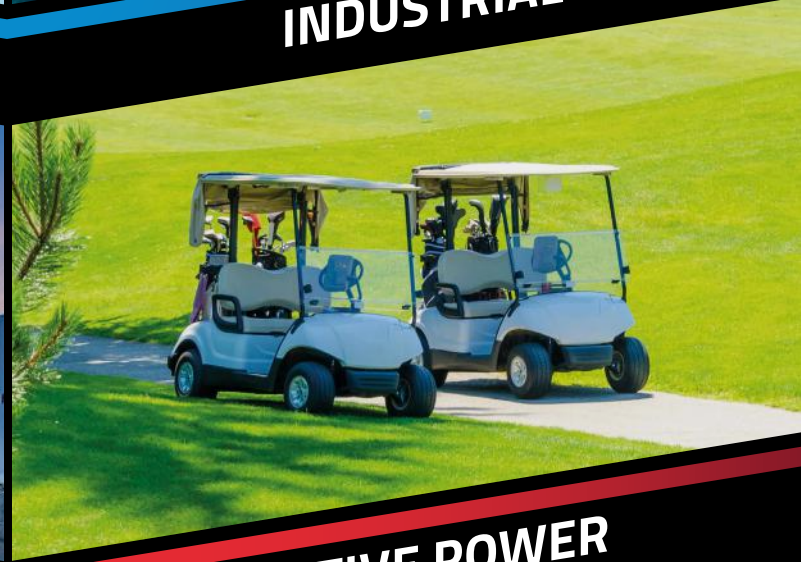
CATALOG 2025



STARTER



INDUSTRIAL



MOTIVE POWER

TABLE OF CONTENTS

ABOUT US

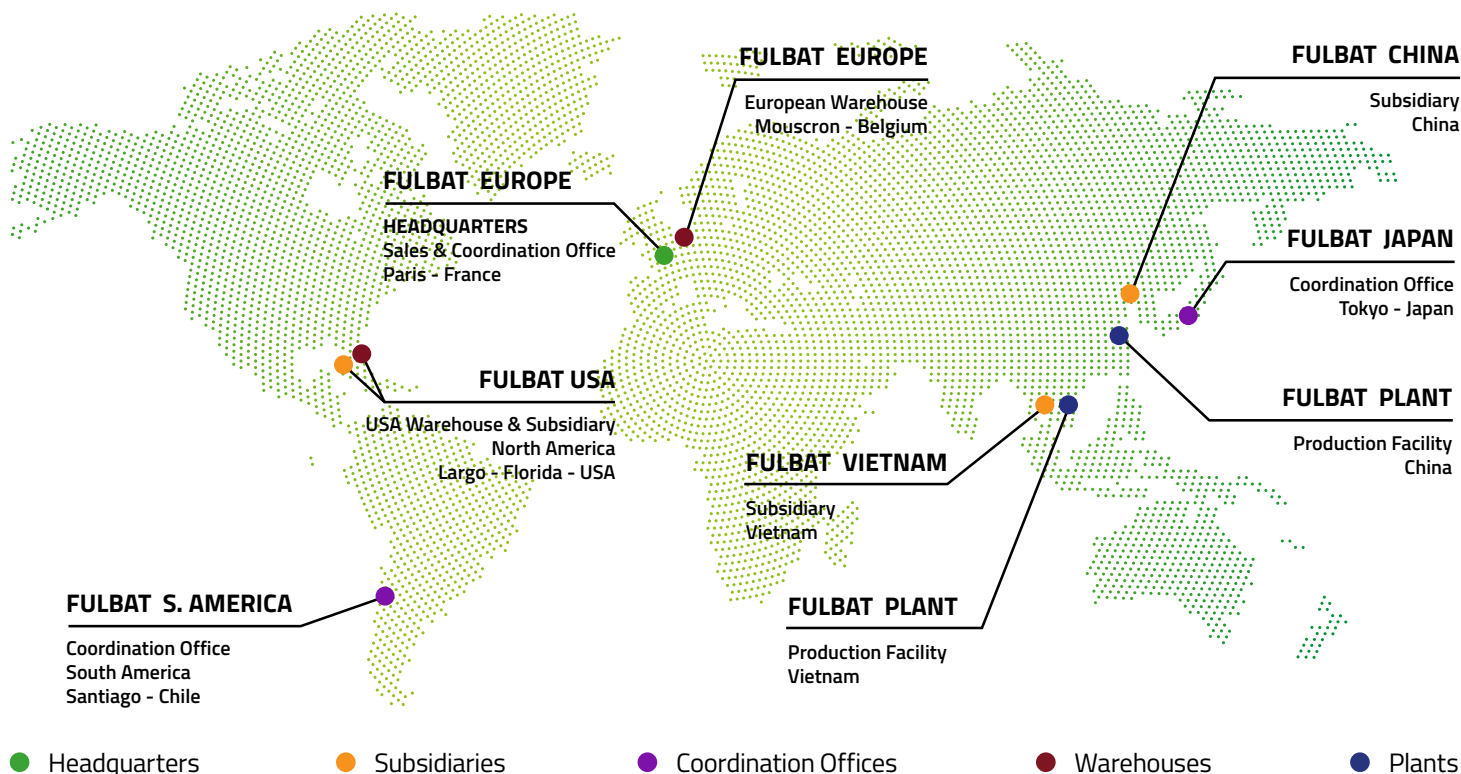
French based company, FULBAT is a leading force in the battery business, present in both replacement and OEM markets. Founded in 2005, we are constantly developing, manufacturing, marketing and selling lead-acid batteries, as well as lithium batteries and battery chargers.

With our technical knowledges and experience, we are able to design new innovative battery solutions to meet the current customers' expectations. We offer an exhaustive program of **Starter batteries**, **Industrial batteries** and **Motive Power batteries**, covering a full range of application. Our Starter Battery range is designed to cover all powersport applications and Lawn & Garden applications.

FULBAT batteries and chargers are widely distributed on all continents through a strong distributor's network, and are very well recognized as qualitative, performing and reliable products.

Manufactured according to the most innovative production processes, FULBAT products are certified by ISO 9001, ISO 14001 and TS 16949.

WORLDWIDE PRESENCE



FULBAT[®]

POWERSPORT



BATTERY RANGE

LITHIUM | GEL | MF | DRY | CHARGERS



INTRODUCTION



No matter what type of vehicle you have or how you use it, our wide range of starter batteries has been developed to satisfy all current market requirements.

Composed of a comprehensive line of batteries, FULBAT Starter Battery offers different technologies: **LITHIUM (LiFePO₄), GEL, MF and DRY.**

FULBAT batteries will provide multiple and varied benefits: high starting performance, light weight, ready to use, maintenance free, vibration resistance and many others, whether for leisure or competition.

From 1st February 2021, a new EU regulation for the sale of acid for batteries came into force. On that date, the sale of electrolyte for batteries (sulfuric acid), has been prohibited to end users (non-professionals), and only professionals are now entitled to acquire batteries with an electrolyte pack. As a battery specialist, FULBAT maintains all its product ranges and offers the widest ready to use battery range.

APPLICATIONS

FULBAT Starter Battery covers the wide majority of powersport applications.



MOTORCYCLE



SCOOTER



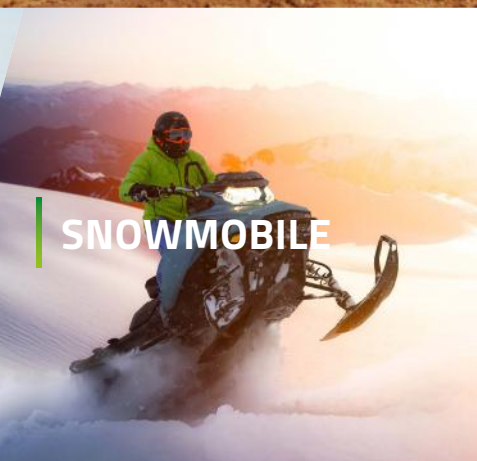
ATV



SSV/UTV



WATERCRAFT



SNOWMOBILE

MAIN FEATURES

From Dry to Lithium technology and from daily use to leisure, FULBAT batteries provide different performances and features.

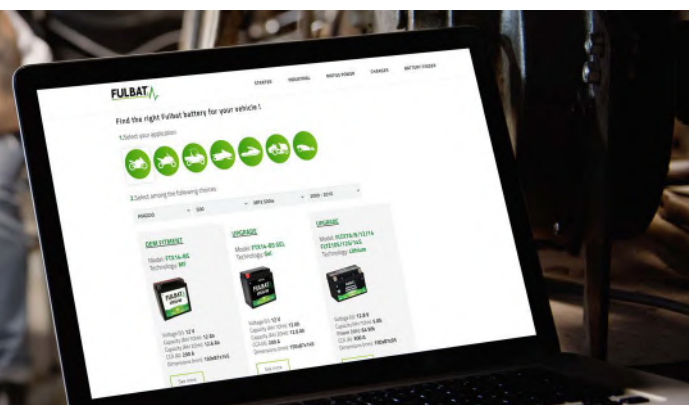


		LITHIUM	GEL	MF	DRY
PERFORMANCE	Cold Cranking Amp	●●●●●	●●●●●	●●●●●	●●●●●
	Cycle Life	●●●●●	●●●●●	●●●●●	●●●●●
	Vibration resistance	●●●●●	●●●●●	●●●●●	●●●●●
	Weight	●●●●●	●●●●●	●●●●●	●●●●●
	Shelf Life in storage	●●●●●	●●●●●	●●●●●	●●●●●
FEATURES	Ready to use	✓	✓	-	-
	Maintenance Free	✓	✓	✓	-
	No acid handling	✓	✓	-	-
	Easy to ship	✓*	✓	-	-
	Compatible e-commerce <i>(compliant with 2021 European (EU) 2019/1148 Regulation for the sale of acid for batteries)</i>	✓	✓	-	-
	Multipositional fitment	 LITHIUM ±90° ±90°	 GEL ±90° ±90°	 MF -10°+20° ±25°	 DRY ±0° ±0°

*According to ADR, IMDG & IATA regulations

BATTERY FINDER

Find the right battery for your vehicle on www.fulbat.com



LITHIUM (LiFePO4) RANGE

High performance & light weight

The Lithium range is designed to offer the ultimate riding experience. Ready to use and with ultra-light weight conception, this LiFePO4 range will ensure extreme starting performance, very low self-discharge and extreme cycle life. Thanks to the Battery Management System integrated, these batteries offer a very safe solution, ideal for the most demanding riders.

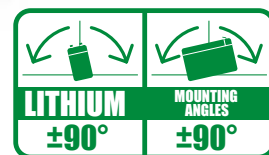
FEATURES

- ✓ Ready to use
- ✓ 100% maintenance Free
- ✓ Ultra-lightweight compare to lead acid battery
- ✓ Very high cold cranking performance
- ✓ Easy to install with the foam spacers
- ✓ Ultra-safe thanks to the integrated BMS
- ✓ Very fast recharge
- ✓ Multi-positional fitment
- ✓ Integrated LCD battery tester
- ✓ Very low self-discharge



COMPATIBLE CHARGERS

- ✓ Fulload 1000 - battery capacity up to 20Ah
- ✓ Fulload F4 - battery capacity up to 80Ah
- ✓ Fulbank 2000 - battery capacity up to 40Ah



	Designation	P/N	Power (Wh)	Capacity Ah (10Hr)	CCA (A)	Dimensions (±2mm)			Polarity	Charging current (A)		Equivalent lead-acid battery types (most popular models)
						L	W	H		Std	Max	
	FLTK01*	560501	25.6	2	140	86	48	90	⊖ ⊕	1	2	KTM OE replacement
NEW	FLTX4L/5L/7L FLTZ5S/6S/7S**	560635	25.6	2	120	107	56	85	⊖ ⊕	1	2	FB4L-B; FTX4L-B/FTZ5S; FTX5L-B/FTZ6S; FTX7L-B/FTZ7S; FTZ7V; FTZ8V
NEW	FLTX4L/5L/7L+ FLTZ5S/6S/7S+	560636	38.4	3	180	107	56	85	⊖ ⊕	1.5	3	FB4L-B; FTX4L-B/FTZ5S; FTX5L-B/FTZ6S; FTX7L-B/FTZ7S; FTZ7V; FTZ8V
	FLT7B/9B	560624	51,2	4	240	150	65	93	⊕ ⊖	2	4	FT7B-4; FT7B-BS; FT9B-4; FT9B-BS
NEW	FLTX7A/9 FLTZ10S	560633	38.4	3	180	150	87	93	⊕ ⊖	1.5	3	FTX7A-BS; FTX9-BS; FTZ10S
	FLTX7A/9/12/14 FLTZ10S/12S/14S	560625	64	5	300	150	87	93	⊕ ⊖	2.5	5	FTX7A-BS; FTX9-BS; FT12A-BS; FTX12-BS; FTX14-BS; FTZ10S; FTZ12S; FTZ14S
NEW	FLTX12/14 FLTZ12S/14S	560634	102.4	8	480	150	87	93	⊕ ⊖	4	8	FTX7A-BS; FTX9-BS; FT12A-BS; FTX12-BS; FTX14-BS; FTZ12S; FTZ14S
	FLT12B/14B	560626	76.8	6	360	150	69	130	⊕ ⊖	3	6	FT12B-4; FT12B-BS; FT14B-4; FT14B-BS
	FLTX20H	560628	153.6	12	720	175	87	155	⊕ ⊖	6	12	FTX20-BS
	FLTX20HL	560627	153.6	12	720	175	87	155	⊖ ⊕	6	12	FB16CL-B; FTX20L-BS; FTX20HL-BS; FHD20HL-BS
	FLTX30HL	560629	230,4	18	900	168	127	177	⊖ ⊕	6	18	53030; FB30L-B; FB30CL-B; F60-N30L-A; FIX30L-BS; FHD30L-BS

*This model does not have an integrated BMS / **This model does not include an LCD battery tester

GEL RANGE

Ready to use & maintenance free

The Gel battery range is designed to offer maximum performance and safety! Ready to use, the GEL battery will not require any acid handling, initial preparation or maintenance. Non-spillable design (VRLA) linked to its high performance make it the ideal battery for all powersports.

FEATURES

- ✓ Ready to use - Factory activated
- ✓ 100% maintenance free
- ✓ Easy to install
- ✓ Non-spillable: easy to ship
- ✓ Multi-positional fitment
- ✓ Suitable for cold weather
- ✓ No acid handling
- ✓ Increased life time



COMPATIBLE CHARGERS

- ✓ Fulload 1000 - battery capacity up to 20Ah
- ✓ Fulload F4 - battery capacity up to 80Ah
- ✓ Fulbank 2000 - battery capacity up to 40Ah

NON-SPILLABLE



Designation	P/N	Voltage (V)	Capacity Ah (10h)	Capacity Ah (20h)	CCA (A)	Dimensions (±2mm)			Polarity	Terminal 3D
						L	W	H		
6N4-2A/A-4	550959	6	4	4.2	25	71	71	93	+	-
6N6-3B/B-1	550960	6	6	6.3	50	95	55	117	+	-
B49-6	550961	6	10	10.5	80	91	83	159	+	-
B38-6A	550962	6	13	13.7	105	119	83	161	+	-
6N11A-1B/3A	550957	6	11	11.6	90	121	58	130	+	-
6N11A-4A	550958	6	11	11.6	90	121	58	130	+	-
12N5.5-3B	550980	12	5.5	5.8	70	135	60	130	+	-
12N5.5-4A/4B	550981	12	5.5	5.8	70	135	60	130	+	-
FB3L-A/B	550842	12	3	3.2	35	98	56	110	+	-
FB4L-B	550916	12	5	5.3	50	120	70	92	+	-
FB5L-B	550991	12	5	5.3	65	120	60	130	+	-
FB7-A	550992	12	8	8.4	120	135	75	133	+	-
FB7C-A	550989	12	8	8.4	85	129	89	114	+	-
FB7L-B/B2	550995	12	8	8.4	100	136	76	130	+	-
FB9-B (12N9-4B-1)	550925	12	9	9.5	115	135	75	139	+	-
FB10L-A2/B2	550956	12	11	11.6	120	133	90	145	+	-
FB12A-A/B (12N12A-4A-1)	550947	12	12	12.6	155	134	80	161	+	-
FB12AL-A2	550926	12	12	12.6	150	134	80	161	+	-
FB14A-A2	550971	12	14	14.7	200	134	88	176	+	-
FB16AL-A2	550948	12	16	16.8	210	205	70	162	+	-

Designation	P/N	Voltage (V)	Capacity Ah (10h)	Capacity Ah (20h)	CCA (A)	Dimensions (±2mm)			Polarity	Terminal 3D
						L	W	H		
FB16CL-B	550979	12	19	20	240	175	100	175		
FT4B-BS	550949	12	2.3	2.4	40	113	38	85		
FTR4A-BS	550950	12	2.3	2.4	45	113	48	85		
FTX4L-BS/FTZ5S	550671	12	5	5.3	70	113	70	85		
FTX5L-BS/FTZ6S	550919	12	5	5.3	90	113	70	105		
FTX6.5L-BS	550963	12	6.5	6.8	85	147	73	112		
FTX7L-BS	550920	12	6	6.3	100	113	70	130		
FTX7A-BS	550915	12	6	6.3	90	150	87	93		
FTX9-BS	550921	12	8	8.4	135	150	87	105		
FT12A-BS	550679	12	10	10.5	175	150	88	105		
FTX12-BS	550922	12	10	10.5	180	150	87	130		
FTX14-BS	550923	12	12	12.6	200	150	87	145		
FTX14L-BS	550990	12	12	12.6	200	150	87	145		
FTX14AH-BS/FB14-A2/B2 (12N14-4A)	550946	12	14	14.7	210	135	90	167		
FTX14AHL-BS/FB14L-A2/B2 (12N14-3A)	550927	12	14	14.7	210	135	90	167		
FTX16	550763	12	14	14.7	230	150	87	161		
FTX20-BS	550993	12	18	18.9	310	175	87	155		
FTX20A-BS	550994	12	18	18.9	270	150	87	161		
FTX20HL-BS	550924	12	18	18.9	310	175	87	155		
FTX24HL-BS/F50-N18L-A/A2/A3 (12N18-3A)	550982	12	21	22.1	350	205	87	162		
FIX30L-BS	550943	12	30	31.6	400	165	125	175		
FTZ7S	550635	12	6	6.3	130	113	70	105		
FT7B-4	550641	12	6.5	6.8	110	150	65	93		
FTZ7V	550998	12	6.5	6.8	105	113	70	121		
FTZ8V	550918	12	7	7.4	120	113	70	130		
FT9B-4	550642	12	8	8.4	120	150	68	105		
FTZ10S	550636	12	8.6	9.1	190	150	88	93		
FTZ12S	550637	12	11	11.6	210	150	88	110		
FT12-10Z	550999	12	10	10.5	180	194	59	112		
FT12B-4	550643	12	10	10.5	210	150	69	130		
FTZ14S	550638	12	11.2	11.8	230	150	88	110		
FT14B-4	550644	12	12	12.6	210	150	69	145		
53030 (F60-N30L-A)	550945	12	30	31.6	325	184	124	170		
53034 (F60-N30-A)	550843	12	30	31.6	325	184	124	170		



GEL FitHD RANGE

High capacity reinforced battery

The Gel FitHD range are high capacity batteries designed for Heady Duty applications. With specific terminals and reinforced battery case, these batteries offer a maximum vibration resistance and higher starting power.

FEATURES

- ✓ Ready to use - Factory activated
- ✓ 100% maintenance free
- ✓ Easy to install
- ✓ Specific HD terminals*
- ✓ Reinforced battery case
- ✓ Non-spillable: easy to ship
- ✓ Multi-positional fitment
- ✓ Suitable for cold weather
- ✓ No acid handling
- ✓ Increased life time

**Only for FHD battery models*

COMPATIBLE CHARGERS

- ✓ Fulload 1000 - battery capacity up to 20Ah
- ✓ Fulload F4 - battery capacity up to 80Ah
- ✓ Fulbank 2000 - battery capacity up to 40Ah



Designation	P/N	Voltage (V)	Capacity Ah (10h)	Capacity Ah (20h)	CCA (A)	Dimensions (±2mm)			Polarity	Terminal 3D
						L	W	H		
NH12-20 (BMW)	550917	12	20	21.1	250	186	82	171		
FHD14HL-BS	550880	12	14	14.7	220	150	87	145		
FHD20HL-BS	550881	12	20	21.1	310	175	87	155		
FHD30HL-BS	550882	12	30	31.6	430	165	130	175		

Feel the Power!



AUXILIARY RANGE

High cycling capability

The Auxiliary battery range is specifically designed for Start-Stop automotive application. With non-spillable design and maintenance free, these AGM batteries provide enhanced cycling capability and the power required to run vehicle's on board electrics and computer management system.

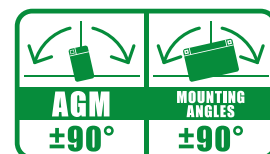
FEATURES

- ✓ AGM technology
- ✓ Ready to use - Factory activated
- ✓ 100% maintenance free
- ✓ Easy to install
- ✓ Non-spillable
- ✓ Maximum safety
- ✓ Increased lifetime: cycle resistance x3
- ✓ Low self-discharge



COMPATIBLE CHARGERS

- ✓ Fulload 1000 - battery capacity up to 20Ah
- ✓ Fulload F4 - battery capacity up to 80Ah
- ✓ Fulbank 2000 - battery capacity up to 40Ah



Designation	P/N	Voltage (V)	Capacity Ah (10h)	Capacity Ah (20h)	CCA (A)	Dimensions (±2mm)			Polarity	Terminal 3D
						L	W	H		
AUX9	550983	12	8	8.4	135	150	87	105	+	
AUX12	550984	12	10	10.5	180	150	87	130	+	
AUX14	550985	12	12	12.6	200	150	87	145	+	
AUX14J	550986	12	12	12.6	200	150	130	145	+	



Feel the Power!

MF RANGE

Maintenance free & easy to store

The MF battery range is designed to offer more comfort and performance. Maintenance free, the MF battery is delivered with a separate acid pack and needs to be filled and activated before the first use. Its AGM (Absorbed Glass Mat) design allows it to become sealed once activated and also improves the lifespan and resistance of the battery to harsh conditions.

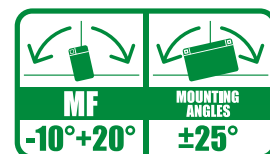
FEATURES

- ✓ AGM technology
- ✓ Delivered with acid pack
- ✓ Need to be filled before first use
- ✓ No maintenance once activated
- ✓ Upright installation only
- ✓ Reduction of plate sulfation
- ✓ Suitable for cold weather
- ✓ Unlimited shelf life



COMPATIBLE CHARGERS

- ✓ Fulload 1000 - battery capacity up to 20Ah
- ✓ Fulload F4 - battery capacity up to 80Ah
- ✓ Fulbank 2000 - battery capacity up to 40Ah



Designation	P/N	Voltage (V)	Capacity Ah (10h)	Capacity Ah (20h)	CCA (A)	Dimensions (±2mm)			Polarity	Terminal 3D
						L	W	H		
FT4B-BS	550625	12	2.3	2.4	40	113	38	85		
FTR4A-BS	550624	12	2.3	2.4	45	113	48	85		
FTX4L-BS/FTZ5S-BS	550617	12	4	4.2	50	113	70	85		
FTX5L-BS	550618	12	4	4.2	80	113	70	105		
FTX7L-BS	550620	12	6	6.3	100	113	70	130		
FTX7A-BS	550619	12	6	6.3	105	150	87	93		
FT9A-BS	550748	12	9	9.5	115	135	75	139		
FTX9-BS	550621	12	8	8.4	135	150	87	105		
FT12A-BS	550602	12	10	10.5	175	150	88	105		
FTX12-BS	550603	12	10	10.5	180	150	87	130		
FTX14-BS	550604	12	12	12.6	200	150	87	145		
FTX14L-BS	550605	12	12	12.6	200	150	87	145		
FTX14AHL-BS	550607	12	12	12.6	210	135	90	167		
FTX14AH-BS	550606	12	12	12.6	210	135	90	167		
FTX16-BS	550609	12	14	14.7	230	150	87	161		
FTX20-BS	550611	12	18	18.9	270	175	87	155		
FTX20A-BS	550808	12	18	18.9	270	150	87	161		
FTX20L-BS	550610	12	18	18.9	270	175	87	155		
FTX24HL-BS	550630	12	21	22.1	350	205	87	162		
FIX30L-BS	550631	12	30	31.6	400	165	125	175		



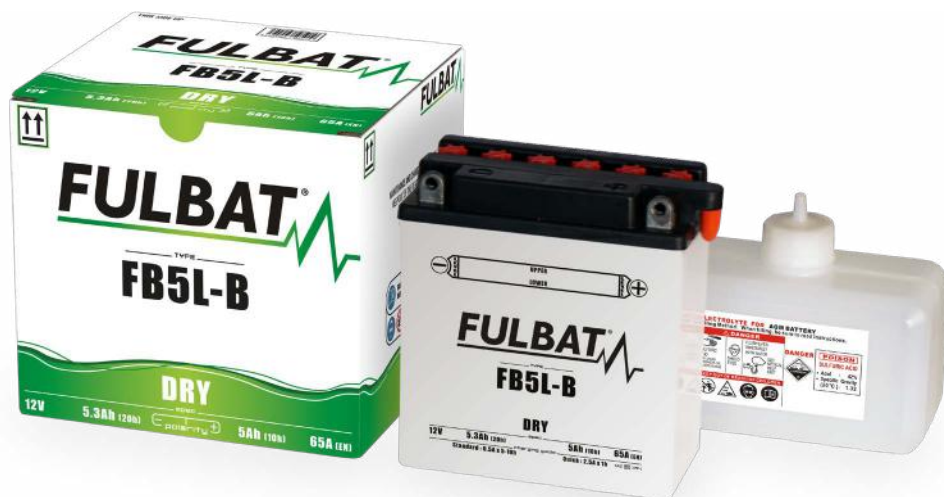
DRY RANGE

Easy to store

The Dry battery range offers an incomparable choice of 6V and 12V models. Delivered with an acid pack, the DRY battery must be activated before the first use and must be checked periodically. DRY construction, no maintenance is necessary during a long period of storage.

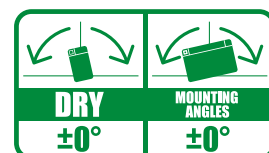
FEATURES

- ✓ DRY charged construction
- ✓ Activation before first use
- ✓ Periodically maintenance & refilled if necessary
- ✓ Upright installation only
- ✓ 6V & 12V batteries
- ✓ Regular life duration
- ✓ Unlimited shelf life



COMPATIBLE CHARGERS

- ✓ Fulload 1000 - battery capacity up to 20Ah
- ✓ Fulload F4 - battery capacity up to 80Ah
- ✓ Fulbank 2000 - battery capacity up to 40Ah



Designation	P/N	Voltage (V)	Capacity Ah (10h)	Capacity Ah (20h)	CCA (A)	Dimensions (±2mm)			Polarity	Terminal 3D
						L	W	H		
6N4-2A	550891	6	4	4.2	25	71	71	96		-
6N4-2A-4	550510	6	4	4.2	25	71	71	96		-
6N4B-2A	550514	6	4	4.2	35	102	48	96		-
6N6-3B	550518	6	6	6.3	50	99	57	111		
6N6-3B-1	550519	6	6	6.3	50	99	57	111		
6N11A-1B	550501	6	11	11.6	90	122	62	131		
6N11A-3A	550894	6	11	11.6	90	122	62	131		
B49-6	550893	6	8	8.4	80	91	83	160		
B38-6A	550896	6	13	13.7	105	119	83	161		
12N5.5-3B	550529	12	5.5	5.8	55	135	60	130		
12N5.5-4A	550530	12	5.5	5.8	55	135	60	130		
FB3L-A	550589	12	3	3.2	32	98	56	110		
FB3L-B	550588	12	3	3.2	32	98	56	110		

Designation	P/N	Voltage (V)	Capacity Ah (10h)	Capacity Ah (20h)	CCA (A)	Dimensions (±2mm)			Polarity	Terminal 3D
						L	W	H		
FB4L-B	550590	12	4	4.2	56	120	70	92		
FB5L-B (12N5-3B)	550591	12	5	5.3	65	120	60	130		
FB7L-B2 (12N7-3B)	550595	12	8	8.4	85	135	75	133		
FB7-A (12N7-4A)	550592	12	8	8.4	105	135	75	133		
FB7C-A	550593	12	8	8.4	85	130	90	114		
FB9-B (12N9-4B-1)	550596	12	9	9.5	115	135	75	139		
FB9L-B (12N9-3B)	550599	12	9	9.5	115	135	75	139		
FB10L-A2	550556	12	11	11.6	130	135	90	145		
FB10L-B2	550557	12	11	11.6	130	135	90	145		
FB10L-BP (FB10L-B)	550558	12	11	11.6	165	135	90	145		
FB12A-A (12N12A-4A-1)	550561	12	12	12.6	155	134	80	160		
FB12AL-A/A2	550564	12	12	12.6	155	134	80	160		
FB12A-B	550562	12	12	12.6	155	134	80	160		
FB12C-A	550566	12	12	12.6	155	134	80	175		
FB14-A2 (12N14-4A)	550567	12	14	14.7	175	134	89	166		
FB14L-A2 (12N14-3A)	550569	12	14	14.7	175	134	89	166		
FB14L-B2	550570	12	14	14.7	175	134	89	166		
FB14A-A2	550571	12	14	14.7	175	134	89	176		
FB16B-A1	550897	12	16	16.8	210	160	90	161		
FB16AL-A2	550576	12	16	16.8	210	207	71	164		
FB16CL-B	550579	12	19	20.0	240	175	100	175		
FB30L-B	550552	12	30	31.6	300	165	130	176		
FB30CL-B	550553	12	30	31.6	300	165	130	192		
F50-N18L-A /12N18-3A	550547	12	20	21.1	260	205	90	162		
F50-N18L-A3	550899	12	20	21.1	260	205	90	162		
51814	550545	12	-	19	210	186	82	171		
51913	550542	12	-	19	210	186	82	171		
53030 (F60-N30L-A)	550544	12	-	30	300	186	130	171		
53034 (F60-N30-A)	550546	12	-	30	300	186	130	171		



UPGRADE CROSS REFERENCE CHART

DRY	MF	GEL	LITHIUM
6N4-2A - 6N4-2A-4		6N4-2A/A-4	
6N6-3B - 6N6-3B-1		6N6-3B/B-1	
B49-6		B49-6	
B38-6A		B38-6A	
6N11A-1B - 6N11A-3A		6N11A-1B/3A	
12N5.5-3B		12N5.5-3B	
12N5.5-4A		12N5.5-4A/4B	
FB3L-A - FB3L-B		FB3L-A/B	
FB4L-B		FB4L-B	FLT4L/5L/7L - FLT25S/6S/7S
FB5L-B - 12N5-3B		FB5L-B GEL	
12N7-4A - FB7-A		FB7-A	
FB7C-A		FB7C-A	
FB7L-B - FB7L-B2 - 12N7-3B		FB7L-B/B2	FLT4L/5L/7L - FLT25S/6S/7S
FB9-B - 12N9-4B1	FT9A-B5	FB9-B	
FB10L-A2 - FB10L-B2 - 12N10-3A/B		FB10L-A2/B2	
FB12AL-A/A2		FB12AL-A2	
FB12A-A - FB12A-B - 12N12A-4A-1		FB12A-A/B	
FB14A-A1 - FB14A-A2		FB14A-A2	
FB16AL-A2		FB16AL-A2	
FB16CL-B		FB16CL-B	FLT20HL
	FT4B-B5	FT4B-B5	
	FTR4A-B5	FTR4A-B5	
	FTX4L-B5/FTZ5S	FTX4L-B5/FTZ5S	FLT4L/5L/7L - FLT25S/6S/7S
	FTX5L-B5	FTX5L-B5/FTZ6S	FLT4L/5L/7L - FLT25S/6S/7S
	FTX7A-B5	FTX7A-B5	FLT7A/9 - FLT210S
	FTX7L-B5	FTX7L-B5	FLT4L/5L/7L - FLT25S/6S/7S
	FTX9-B5	FTX9-B5	FLT7A/9 - FLT210S
	FT12A-B5	FT12A-B5	FLT12/14 - FLT212S/14S
	FTX12-B5	FTX12-B5	FLT12/14 - FLT212S/14S
	FTX14-B5	FTX14-B5	FLT12/14 - FLT212S/14S
	FTX14L-B5	FTX14L-B5 GEL - FHD14HL-B5	
FB14-A2 - FB14-B2 - 12N14-4A	FTX14AH-B5	FTX14AH-B5 / FB14-A2	
FB14L-A2 - FB14L-B2 - 12N14-3A	FTX14AHL-B5	FTX14AHL-B5 / FB14L-A2	
	FTX16-B5	FTX16	
FB16-B	FTX20-B5	FTX20-B5	FLT20H
	FTX20A-B5	FTX20A-B5	
FB16L-B - FB18L-A	FTX20L-B5	FTX20HL-B5 GEL - FHD20HL-B5	FLT20HL
12N18-3A - F50-N18L-A - F50-N18L-A3	FTX24HL-B5	FTX24HL-B5 / F50-N18L-A/A2/A3	
FB30L-B	FIX30L-B5	FIX30L-B5 GEL - FHD30HL-B5	FLT30HL
		FTZ7V	FLT4L/5L/7L - FLT25S/6S/7S
		FTZ7S GEL - FTZ8V	FLT4L/5L/7L - FLT25S/6S/7S
		FT7B-4	FLT7B/9B
		FT9B-4	FLT7B/9B
		FTZ10S	FLT7A/9 - FLT210S
		FTZ12S	FLT12/14 - FLT212S/14S
		FT12B-4	FLT12B/14B
		FTZ14S	FLT12/14 - FLT212S/14S
		FT14B-4	FLT12B/14B
51814 - 51913		NH12-20	
F60-N30L-A - 53030		53030	FLT30HL
F60-N30-A - 53034		53034	

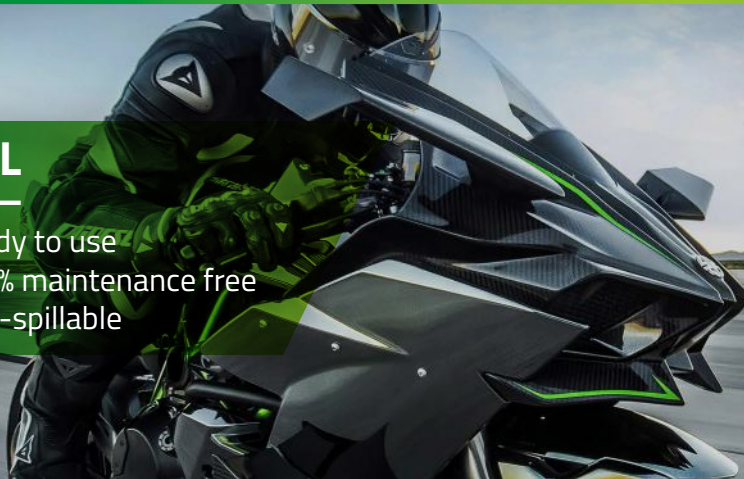
LITHIUM

Ready to use
High CCA performance
Ultra lightweight



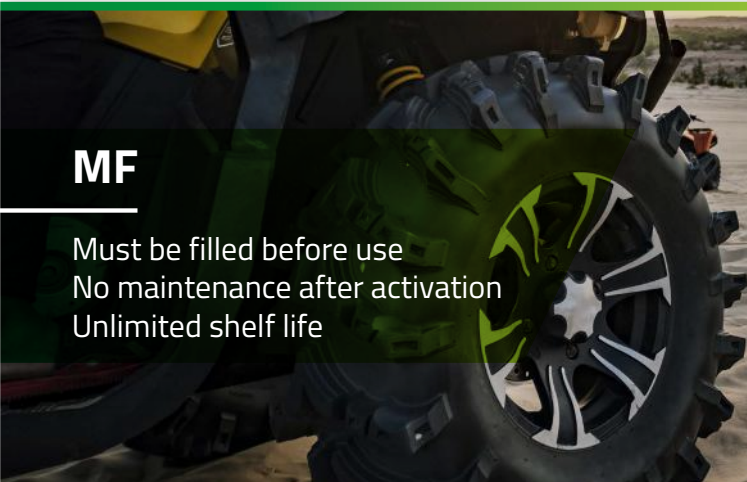
GEL

Ready to use
100% maintenance free
Non-spillable



MF

Must be filled before use
No maintenance after activation
Unlimited shelf life



DRY

Activation before first use
Periodic maintenance required
Unlimited shelf life



CHARGERS

Whether it is to charge or maintain lead-acid or lithium batteries (LiFePO₄), FULBAT chargers will be able to answer all your needs, from the smallest battery to the largest capacity. Designed with different charging stages, our automatic smart chargers will guarantee optimum charging efficiency and safety.

FULLLOAD 1000 (P/N: 750514)

Battery compatibility: Lead-acid & Lithium (LiFePO₄)
Voltage: 6V/12V
Charging rate: 1A
Battery capacity: Up to 20Ah (maintains all sizes)
Stages: 3

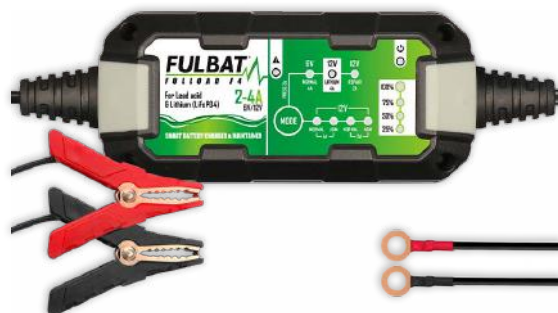
- Charges and maintains 6V/12V lead-acid batteries (GEL, AGM, MF, DRY, Ca/Ca, WET) and 12V LiFePO₄ batteries
- 4 charge modes
- Easy to set up & use: connect, select a charge mode and forget
- Easy to read LED display
- Full protected against short circuit, wrong connections, overcharge and overheat
- Delivered with: 1 clamps set and 1 eyelet terminals set



FULLLOAD F4 (P/N: 750515)

Battery compatibility: Lead-acid & Lithium (LiFePO₄)
Voltage: 6V/12V
Charging rate: 2-4A
Battery capacity: Up to 80Ah (maintains all sizes)
Stages: 8

- Charges and maintains 6V/12V lead-acid batteries (GEL, AGM, MF, DRY, Ca/Ca, WET) and 12V LiFePO₄ batteries
- 7 charge modes including 12V repair mode
- Easy to set up & use: connect, select a charge mode and forget
- Easy to read LED display
- Full protected against short circuit, wrong connections, overcharge and overheat
- Delivered with: 1 clamps set and 1 eyelet terminals set



CHARGERS



FULBANK 2000 (P/N: 750547)

Battery compatibility: Lead-acid & Lithium (LiFePO4)

Voltage: 6V/12V

Charging rate: 3X2A

Battery capacity: Up to 40Ah (120Ah in maintenance)

Stages: 4

- Charges & maintains 3 batteries with different voltage and technologies at once
- For all batteries: GEL, AGM, MF, DRY, Ca/Ca & LiFePO4
- Easy to read LED display
- Full protected against short circuit, wrong connections, overcharge and overheat
- Splash & dust proof (IP65)
- Delivered with: 3 clamps and 3 fused connection set



ASSEMBLY PARTS (P/N: 750518)

Box content:

2x black rails

12x screws

12x bolts fastening

- To mount up 2 Fulbank 2000 chargers on to battery display
- Up to 6 batteries charged at once
- Ideal to create a small charging station



BOOSTER

These accessories are ideal for the maintenance of all our ranges of batteries.

Whatever your type of application (motorcycle, scooter, quad, jet-ski, lawn mower, etc.), you will always find the FULBAT accessory to maximize your battery's performance.

FULBOOST (P/N: 750553)

Function: Booster, powerbank & flashlight

Capacity: 4Ah

Start current: 800A

Peak current: 1600A

- ✓ Compact & powerful lithium booster rated at 1600A
- ✓ For vehicles equipped with a 12V Lead-acid battery
- ✓ Designed for gas engines up to 7.0L and diesel up to 6.0L
- ✓ Ultra-safe thanks to smart cables technology : spark-proof, short-circuit & reverse polarity protection
- ✓ Charger for all types of USB devices
- ✓ Ultra-bright 150 lumens LED flashlight with 3 modes: constant, SOS, flash



3 IN ONE



BOOSTER

For 12V vehicles



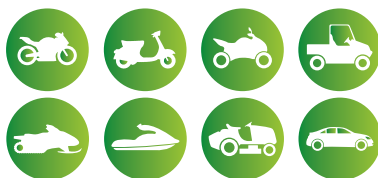
POWER BANK

For all electrical devices



TORCH

3 light modes



TESTERS & ACCESSORIES



FULTEST 1 (P/N: 750502)

Function: Battery & alternator tester

- For 12V lead-acid batteries only
- Test the condition of the battery and alternator
- Control the right starting ability of the vehicle
- The ideal tool to verify the state of charge of the battery



FULTEST 2 (P/N: 750521)

Function: Battery & alternator tester

- For all 12V vehicle and motorcycles batteries (lithium & lead-acid)
- 3 battery tests: cold cranking amps, voltage, internal resistance
- Alternator and cranking system test
- Easy to read thanks to the large LCD screen



FULCONNECT INDICATOR (P/N: 750516)

Function: Battery tester

Chargers compatibility: Fulload 1000 / Fulload F4 / Fulbank 2000

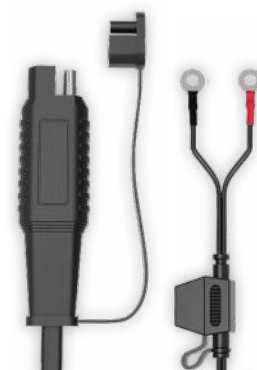
- For 12V lead-acid batteries only
- Ideal solution if the battery is difficult to access
- To check the state of charge of the battery with its 3 integrated LEDs: green, orange, red
- Wire length: 500mm
- M8 eyelet terminal



FULCONNECT (P/N: 750507)

Chargers compatibility: Fulload 1000 / Fulload F4 / Fulbank 2000

- For 12V lead-acid & lithium batteries
- Ideal solution if the battery is difficult to access
- Wire length: 600mm
- M6 eyelet terminal



FULBAT[®]

LAWN & GARDEN



BATTERY RANGE

SLA | Ca/Ca | DRY | VRLA | ROBOT



INTRODUCTION



No matter what type of vehicle you have or how you use it, our wide range of starter batteries has been developed to satisfy all current market requirements.

Composed of a comprehensive line of batteries, FULBAT Starter Battery offers different technologies: SLA, Ca/Ca, DRY, VRLA & ROBOT.

FULBAT batteries will provide multiple and varied benefits: high starting performance, light weight, ready to use, maintenance free, vibration resistance and many others, whether for leisure or professional use.

From 1st February 2021, a new EU regulation for the sale of acid for batteries came into force. On that date, the sale of electrolyte for batteries (sulfuric acid), has been prohibited to end users (non-professionals), and only professionals are now entitled to acquire batteries with an electrolyte pack.

As a battery specialist, FULBAT maintains all its product ranges and offers the widest ready to use battery range.

APPLICATIONS

FULBAT Starter Battery covers the wide majority of lawn & garden applications.

LAWN & GARDEN



ROBOT



SLA RANGE

Ready to use & non-spillable

SLA battery range is designed to offer maximum performance and safety! Ready to use, the Sealed Lead Acid (SLA) battery will not require any acid handling, initial preparation or maintenance. Its non-spillable design linked to its high performance make it the ideal battery for all ride-on mowers.

FEATURES

- ✓ AGM technology (factory activated)
- ✓ Ready to use
- ✓ 100% maintenance free
- ✓ Non-spillable: easy to ship
- ✓ Higher cycle life
- ✓ Ultra safe & highly vibration resistant
- ✓ Minimized plate sulfation
- ✓ Suitable for cold weather



COMPATIBLE CHARGERS

- ✓ Fulload 1000
- ✓ Fulload F4
- ✓ Fulbank 2000

NON-SPILLABLE



Designation	P/N	Voltage (V)	Capacity Ah (10h)	Capacity Ah (20h)	CCA (A)	Dimensions (±2mm)			Polarity	Terminal 3D
						L	W	H		
U1-9 SLA (12N24-4A)	550901	12	-	28	300	195	125	176	+	
U1R-9 SLA (12N24-3A)	550902	12	-	28	300	195	125	176	-	
U1-12 SLA (12N24-4A)	550903	12	-	32	400	195	125	176	+	
U1R-12 SLA (12N24-3A)	550904	12	-	32	400	195	125	176	-	
SLA12-18	550633	12	18	18.9	150	182	77	168	-	
SLA12-20	550879	12	20	21.1	180	182	77	168	-	
SLA12-22	550907	12	22	23.1	210	182	77	168	-	
FTX16	550763	12	14	14.7	230	150	87	161	+	
FTZ75	550635	12	6	6.3	130	113	70	105	-	
FB14L-A2 (12N14-3A)	550927	12	14	14.7	175	135	90	167	-	
FB14-A2 (12N14-4A)	550946	12	14	14.7	175	135	90	167	+	
F50-N18L-A (12N18-3A)	550982	12	21	22.1	350	205	87	162	-	
53030 (F60-N30L-A)	550945	12	30	31.6	300	178	123	166	-	
53034 (F60-N30-A)	550843	12	30	31.6	300	178	123	166	+	

Ca/Ca RANGE

Ready to use

Calcium/Calcium battery range is designed to offer higher starting power and a longer service life. Ready to use and easy to install, Ca/Ca battery will not require any acid handling. Its design allows it to have a low water consumption and no maintenance will be necessary during its entire service life.

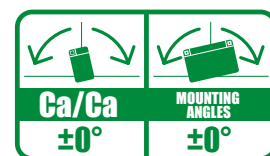
FEATURES

- Calcium technology
- Ready to use
- 100% maintenance free
- Increased power & extended service life
- High vibration resistance
- Lightweight polypropylene container
- Heat-sealed container with flat top cover
- Venting systems
- Handle & "magic eye" charge indicator



COMPATIBLE CHARGERS

- Fulload 1000
- Fulload F4
- Fulbank 2000



Designation	P/N	Voltage (V)	Capacity Ah (10h)	Capacity Ah (20h)	CCA (A)	Dimensions (±2mm)			Polarity	Terminal 3D
						L	W	H		
U1-9 Ca/Ca (handle+ magic eye)	550875	12	-	28	300	195	130	180	+	
U1R-9 Ca/Ca (handle+ magic eye)	550876	12	-	28	300	195	130	180	-	
NS40 (+D)	550883	12	-	36	335	195	126	221	+	
NS40 (+G)	550884	12	-	36	335	195	126	221	-	
NS60 (+D)	550820	12	-	45	350	236	128	222	+	
NS60 (+G)	550821	12	-	45	350	236	128	222	-	



DRY RANGE

Easy to store

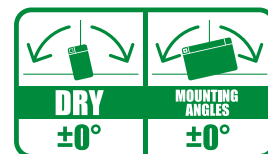
DRY battery range is designed to offer reliable starting power. Delivered with an acid pack, the DRY battery must be activated before the first use and must be checked periodically. DRY charged construction, no maintenance is necessary during a long period of storage.

FEATURES

- ✓ DRY charged technology
- ✓ Activation before first use
- ✓ Periodically maintenance and refilled if necessary
- ✓ Upright installation only
- ✓ Regular life duration
- ✓ Unlimited shelf life

COMPATIBLE CHARGERS

- ✓ Fulload 1000
- ✓ Fulload F4
- ✓ Fulbank 2000



Designation	P/N	Voltage (V)	Capacity Ah (10h)	Capacity Ah (20h)	CCA (A)	Dimensions (±2mm)			Polarity	Terminal 3D
						L	W	H		
12N12A-4A-1 (FB12A-A)	550561	12	12	12.6	155	134	80	160		
12N14-3A (FB14L-A2)	550887	12	14	14.7	125	134	89	166		
12N14-4A (FB14-A2)	550888	12	14	14.7	125	134	89	166		
12N18-4A	550890	12	18	18.9	170	205	90	162		
F50N18L-A/12N18-3A	550547	12	20	21.1	260	205	90	162		
F50-N18A-A	550898	12	20	21.1	260	205	90	176		
12N24-3A	550885	12	24	25.3	220	184	124	175		
12N24-4A	550886	12	24	25.3	220	184	124	175		
U1-9	550691	12	24	25.3	240	195	130	180		
U1R-9	550810	12	24	25.3	240	195	130	180		
53030 (F60-N30L-A)	550544	12	-	30	300	186	130	171		
53034 (F60-N30-A)	550546	12	-	30	300	186	130	171		

VRLA RANGE

General purpose applications

VRLA batteries are general purpose batteries with 5 years design life in float service. With advanced AGM valve regulated technology, these batteries ensure high performance and reliability. They can also be used for light cycling use.

FEATURES

- ✓ AGM technology
- ✓ 100 % maintenance free (VRLA design)
- ✓ Non-spillable: easy to ship
- ✓ Deep discharge protection
- ✓ No corrosion
- ✓ Multi-positional fitment
- ✓ Low gassing
- ✓ Long shelf life
- ✓ Very good cycling and stationary performance



COMPATIBLE CHARGERS

- ✓ Fulload 1000
- ✓ Fulload F4
- ✓ Fulbank 2000

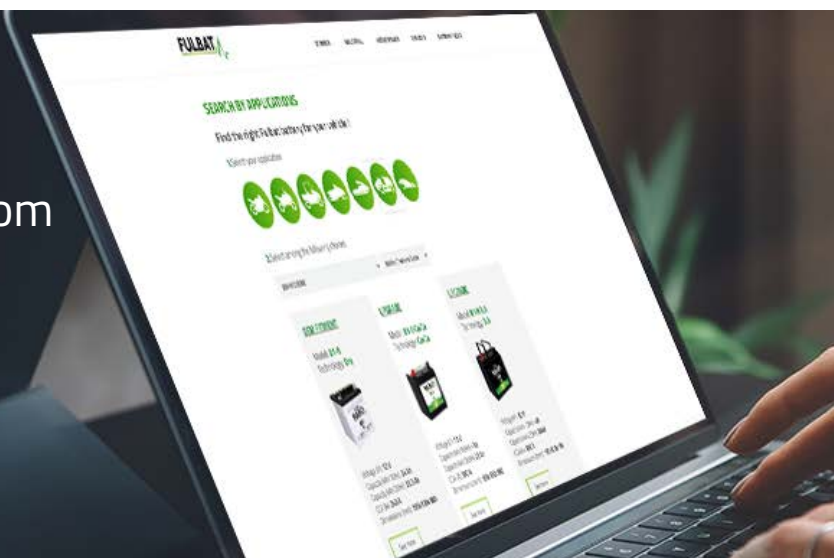
NON-SPILLABLE



Designation	P/N	Voltage (V)	Capacity Ah (10h)	Capacity Ah (20h)	CCA (A)	Dimensions (±2mm)			Polarity	Terminal 3D
						L	W	H		
FP12-4.5	590024	12	4.2	4.5	-	90	101	107	+	
FP12-7.2	590028	12	6.7	7.2	-	151	65	99	+	
FP12-10H	590032	12	9.3	10	-	151	65	117	+	
FP12-12	590033	12	11.2	12	-	151	98	101	+	

BATTERY FINDER

Find the right battery for your vehicle on www.fulbat.com



ROBOT RANGE

Powerful & safe

FL Series is a complete range of batteries for robot mowers specially designed for intensive charge and discharge use. Equipped with high-quality and high-capacity lithium cells, this range thus offers the robot great autonomy in working.

FEATURES

- ✓ Compatible battery type
- ✓ High cycle life
- ✓ High autonomy: capacity sometimes higher than the original battery
- ✓ High quality lithium cells
- ✓ Very safe thanks to integrated BMS
- ✓ More than 200 models of robots covered



Designation		P/N	Voltage (V)	Capacity (Ah)	Power (Wh)	Technology	Dimensions (±2mm)			Compatibility (not exhaustive)	OEM part numbers*
							L	W	H		
AL-KO	FL-AL01	560601	18	2.5	45	Li-ion	94	69	25.5	100; 110; 41.6	440454 441154 440530 441188
	FL-AL02	560602	25.2	5	126	Li-ion	128	69	50	82.8; 116; 3000; 4000	
AMBROGIO STIGA	FL-ST01	560603	25.2	8.7	219.2	Li-ion	150	64	93	L100 Serie Autoclip 140; 325; 520	CS_C0106/1 1126913801
	FL-ST02	560604	25.2	13.8	347.7	Li-ion	302	156.8	41	L200; L300 Serie Autoclip 720S; 920S	CS C0114 1126-9121-01
	FL-ST03	560605	25.2	2.6	65.5	Li-ion	144	76.9	38	L30; L75; L85 Autoclip 125; 127; 145; 223; 225S	075201300A 1126913701
AMBROGIO ZUCCHETTI WIPER	FL-ZU01	560630	25.9	2.6	67.3	Li-ion	129	67	28	L15; L20; L60; Twenty; Twenty Elite S+ i70; i100S; Climber; Q350	015E00600A 050Z38600A
BOSCH	FL-BS01	560606	32.4	3	97.2	Li-ion	217	85	58	800; 850; 1000; 1100 Connect; 1200 Connect; 1300; 3600	3 600 HA2 000
HUSQVARNA GARDENA	FL-HU01	560609	18	2	36	Li-ion	70.5	66	57	105; 305; 308	574 47 68-01
	FL-HU06 (with PCM)	560620	18	2	36	Li-ion	69	56	67	105; 305; 308	589 58 61-01 586 57 62-012
	FL-HU02	560610	18	2.5	45	Li-ion	91.5	67	26	310; 315; R100; R160	584 82 28-02
	FL-HU03	560617	18	4	72	Li-ion	146.2	67.6	38.8	320 (2013>); 330X (2013>); 420 (2016>); 520 (2018>)	589 58 52-01 588 14 64-01
	FL-HU04	560618	18	5.2	93.6	Li-ion	146.2	67.6	38.8	430X (2016>); 440 (2017>); 450X (2016>); 550 (2018>)	589 58 57-01 589 58 58-02
	FH-HU05	560619	18	2.2	39.6	NiMH	215	67.6	22.7	220AC; 230ACX; 265ACX	535 12 09-01 535 12 09-02
	FL-HU07	560621	22	5.2	114.4	Li-ion	220	67	22	265ACX (2012>2015); 265ACX G2-2	578 84 87-02 578 84 87-01
	FL-HU08	560631	18.5	2	37	Li-ion	138.5	81	38	305 (2019>); 310 (2019>); 315 (2019>)	593 24 72-01 590 21 42-02 590 21 42-07
ROBOMOW	FP-RM01	590028 750542	12	7.2	86.4	AGM	151	99	65	RX12U; RX20U; RX20 Pro	MRK9101A
	FL-RM02	560612	25.6	3	76.8	LiFePO4	212	164	108	City MC150; 300; 1000; 1200; Premium RC304u; RC306	MRK7005A
	FL-RM03	560613	25.6	6.6	168.9	LiFePO4	216	56	79	RS612; RS622; RS635; WOLF GARTEN RS1000; RS1800; RS3000	MRK6105A
WORX	FL-WX01	560614	20	2	40	Li-ion	109.5	75	46	L2000; M1000; M700	WA3551.1
	FL-WX02	560615	20	5	100	Li-ion	109.5	75	64	L2000; M1000; M700	WA3556
	FL-WX03	560616	28	2.5	70	Li-ion	103.7	48.8	72.1	L1500i; M500; WG754E; WG790	WA3225

*Non exhaustive

ROBOT RANGE

Our different models



FL-AL01



FL-AL02



FL-ST01



FL-ST02



FL-ST03



FL-ZU01



FL-BS01



FL-HU01



FL-HU06



FL-HU02



FL-HU03



FH-HU04



FH-HU05



FL-HU07



FL-HU08



FL-RM01



FL-RM02



FL-RM03



FL-WX01



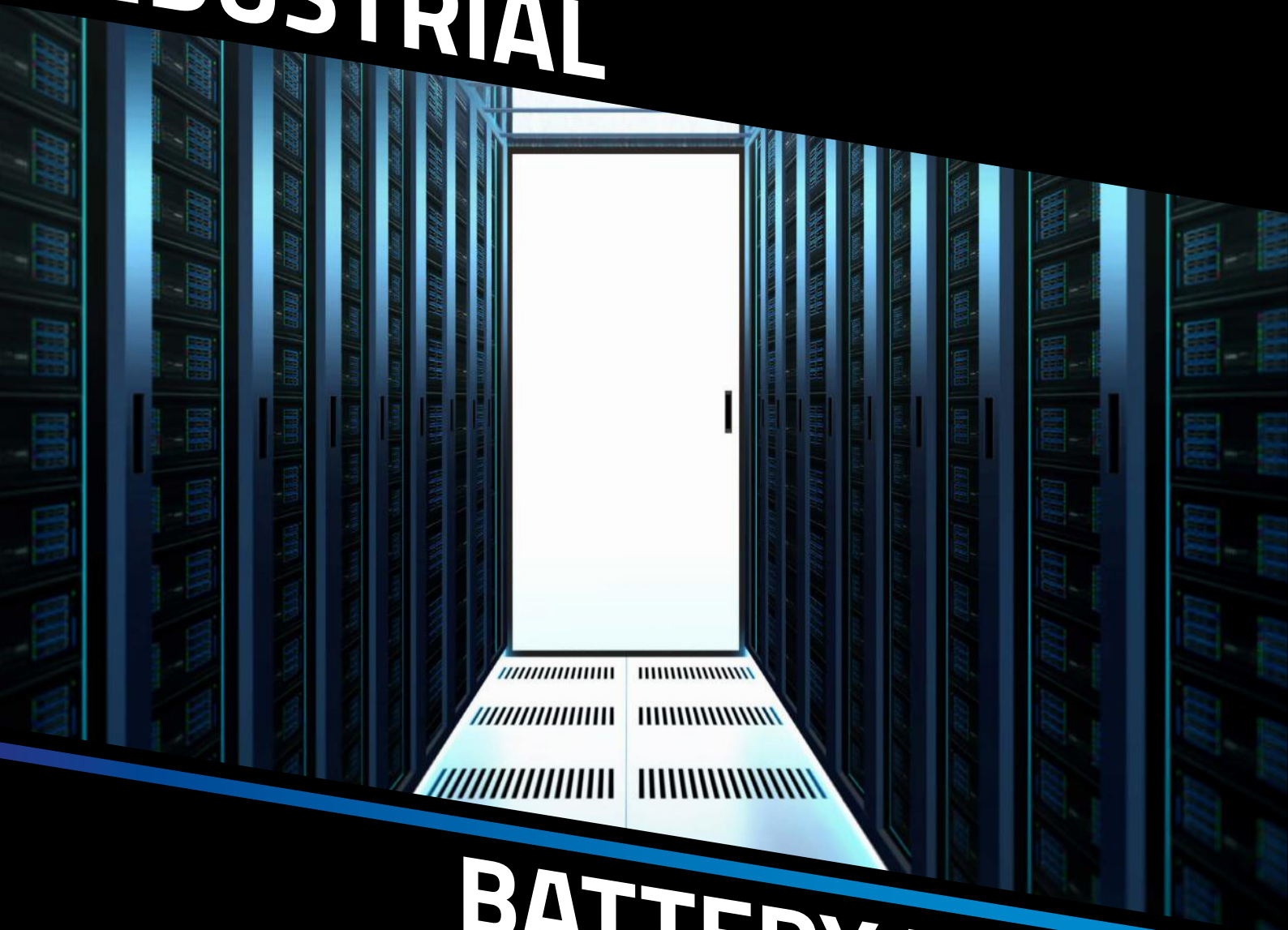
FL-WX02



FL-WX03

FULBAT[®]

INDUSTRIAL



BATTERY RANGE

AGM | GEL | LiFePO4



INTRODUCTION



FULBAT Industrial Battery is composed of 2 types of batteries : Stationary and Cyclic uses.

Also called back-up batteries, the stationary batteries take over in case of electrical system failure. Always in standby, these batteries are discharged only occasionally and do not require any maintenance. These batteries can be found in many applications areas such as security, telecommunication, UPS, medical sector where no failure is allowed.

Cyclic batteries, on the other hand, are used as the main source of energy and can support many charge and discharge cycles (more or less deep, depending on the technology – AGM, GEL, LITHIUM). This type of battery can be found in many applications such as small mobility (golf caddy, electric wheelchair...), energy storage (solar, wind) or leisure (marine, camping-car).

APPLICATIONS

FULBAT Industrial Battery covers the wide majority of industrial applications.



**EMERGENCY
& SECURITY**



TELECOM



**UPS & DATA
CENTER**



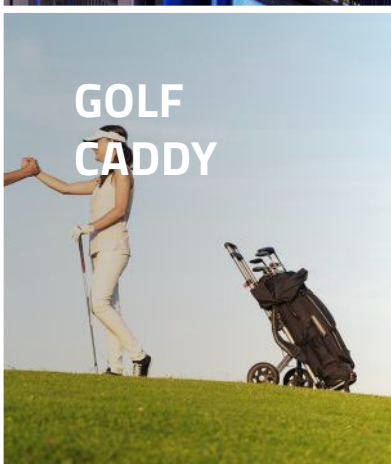
**RENEWABLE
ENERGY**



MEDICAL



MOBILITY



**GOLF
CADDY**



**LEISURE
& MARINE**

GENERAL PURPOSE AGM RANGE

Maintenance free & reliable

FP Series are general purpose batteries with 5 years design life in float service (8 years from 40Ah). With advanced AGM valve regulated technology and high purity raw material, the FP series batteries ensure high performance and reliable standby service life.

GENERAL INFORMATION

- Use: standby / light cyclic use
- Technology: AGM (VRLA)
- Available voltages: 4V - 6V - 12V
- Capacities from 0.8Ah to 250Ah
- Design life at 20°C ambient temperature:
 - 5 years up to 33Ah
 - 10 years from 40Ah
- Case material: ABS UL94-HB / FR version (UL94-V0) in option*



NON-SPILLABLE

FEATURES

- Maintenance free & non-spillable
- AGM (Absorbent Glass Mat) technology assures no free electrolyte
- Low self-discharge rate (about 3% per month at 20°C)
- Lead calcium grids for superior life
- Operate in any orientation (excluding continuous inverted use)
- Wide range of operating temperatures
- Rugged impact resistance ABS case
- Low gas emission due to high gas recombination of 99% (VRLA)

APPLICATIONS



*compliant with fire standard EN 60950-1 on flammability and fire resistance.

Designation	P/N	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (10Hr)	Dimensions mm (±2mm)				Polarity	Terminal*
					L	W	H	Total height		
FP4-3.5	590001	4	3.5	3.3	90	34	59	65		T1
FP6-1.2	590002	6	1.2	1.1	97	24	51.5	57.5		T1
FP6-2.8	590003	6	2.8	2.6	66	33	97	103		T1
FP6-3.2	590004	6	3.2	3	134	34	60	66		T1
FP6-4	590005	6	4	3.7	70	47	100	106		T1
FP6-4.5	590006	6	4.5	4.2	70	47	100	106		T1
FP6-6	590007	6	6	5.6	70	47	100	106		T1
FP6-4.5S	590008	6	4.5	4.2	67	67	96	109	-	S
FP6-5	590009	6	5	4.7	169.5	34.5	70	74		T1
FP6-7.2	590010	6	7.2	6.7	150	34	94	100		T1
FP6-10	590011	6	10	9.3	151	50.5	94	100		T1
FP6-12	590012	6	12	11.2	151	50.5	94	100		T2
FP12-0.8	590014	12	0.8	0.8	96	25	62	62		JST
FP12-0.8FR (1)	590059	12	0.8	0.8	96	25	62	62		JST
FP12-1.2	590015	12	1.2	1.1	97	43	52	58		T1
FP12-1.2FR (1)	590060	12	1.2	1.1	97	43	52	58		T1
FP12-2.2	590017	12	2.2	2.1	70.5	47.5	97	103		T1
FP12-2.3	590018	12	2.3	2.1	178	35	60	66		T1
FP12-2.3FR (1)	590061	12	2.3	2.1	178	35	60	66		T1
FP12-2.3C	590019	12	2.3	2.1	182	24	61	61	-	Contacts
FP12-2.6	590020	12	2.6	2.3	178	35	60	66		T1
FP12-2.9	590021	12	2.9	2.7	79	56	99	105		T1
FP12-3.2	590022	12	3.2	3	134	67	59.5	65.5		T1
FP12-4L	590023	12	4	3.7	195	47	70	76		T1
FP12-4.5	590071	12	4.5	4.2	90	70	101	107		T1
FP12-4.5FR (1)	590024	12	4.5	4.2	90	70	101	107		T1
FP12-5.4	590025	12	5.4	5	90	70	101	107		T2
FP12-5	590026	12	5.4	4.7	151	53	93	99		T1
FP12-5.5	590027	12	5.5	4.7	151	53	93	99		T2 + T1
FP12-7.2	590028	12	7.2	6.7	151	65	93.5	99.5		T1
FP12-7.2FR (1)	590062	12	7.2	6.7	151	65	93.5	99.5		T1
FP12-9	590031	12	9	8.3	151	65	93.5	99.5		T2
FP12-10H	590032	12	10	9.3	151	65	111	117		T2
FP12-12	590033	12	12	11.2	151	98	95	101		T2
FP12-12FR (1)	590063	12	12	11.2	151	98	95	101		T2
FP12-18	590035	12	18	16.7	181.5	76.5	167.5	167.5		T12
FP12-18FR (1)	590064	12	18	16.7	181.5	76.5	167.5	167.5		T12
FP12-20	590037	12	20	18.6	181.5	77	167.5	167.5		T12
FP12-24	590038	12	24	22.3	167	175	125	125		T12
FP12-24FR (1)	590065	12	24	22.3	167	175	125	125		T12
FP12-33	590042	12	33	30.7	195	130	164	178		T6
FP12-40	590043	12	40	38	197	165	170	170		T6
FP12-40FR (1)	590066	12	40	38	197	165	170	170		T6
FP12-50	590044	12	50	48	197	165	170	170		T6
FP12-55	590045	12	55	52	257	132	200	200		T6
FP12-60	590046	12	60	56	229	138	205	211		T6
FP12-65	590047	12	65	62.1	348	167	178	178		T6
FP12-65FR (1)	590069	12	65	62.1	348	167	178	178		T6
FP12-75	590050	12	75	73	348	167	178	178		T6
FP12-80	590051	12	80	78	260	168	208	214		T6
FP12-100	590053	12	104	100	330	173	212	220		T11

(1) Conformed to UL94-V0 (Flame retardant)

*Terminals p.16

FRONT TERMINAL AGM RANGE

Easy to install & maintain

FFT batteries are designed for applications that demand high levels of reliability and safety, FFT batteries offer a long service life up to 12 years.

Thanks to their front terminal design, these batteries allow rapid installation and easy access for maintenance.

GENERAL INFORMATIONS

- Use: standby
- Technology: AGM (VRLA)
- Available voltage: 12V
- Capacities from 100Ah to 190Ah
- 12 years design life at 25°C ambient temperature
- Case material: ABS UL94-HB / FR version (UL94-V0) in option*

FEATURES

- Front access to terminals
- Installation, maintenance and supervision easy
- Ideal for 48V system
- Ideal for 19" or 23" racks or site cabinets
- Maintenance free & non-spillable
- AGM (Absorbent Glass Mat) technology assures no free electrolyte
- Low self-discharge rate (about 3%/month at 20 °C)
- Wide range of operating temperatures
- Low gas emission due to high gas recombination of 99% (VRLA)



NON-SPILLABLE

APPLICATIONS



Designation	P/N	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (10Hr)	Dimensions mm (±2mm)				Polarity	Terminal*
					L	W	H	Total height		
FFT12-100	590067	12	106	100	508	110	238.5	238.5		T6
FFT12-150	590068	12	157.6	150	551	110	288	288		T6

*compliant with fire standard EN 60950-1 on flammability and fire resistance.

*Terminals p.16

HIGH RATE AGM RANGE

Maintenance free & reliable

FPH Series are high rate batteries with 12 years design life in float service. With advanced AGM valve regulated technology and high purity raw material, the FPH batteries ensure reliable standby service life and high performance during high current discharge requirements.

GENERAL INFORMATION

- Use: standby
- Technology: AGM (VRLA)
- Available voltage: 12V
- Capacities from 9Ah to 46.5Ah
- 12 years design life at 25°C ambient temperature
- Case material: ABS UL94-HB / FR version (UL94-V0) in option*



NON-SPILLABLE

FEATURES

- Excellent high rate discharge performance
- 12 years design life at 25°C (5 years for FPH12-35W)
- Maintenance free & non-spillable
- AGM (Absorbent Glass Mat) technology assures no free electrolyte
- Low self-discharge rate (about 3% / month at 25°C)
- Wide range of operating temperatures
- Low gas emission due to high gas recombination of 99% (VRLA)

APPLICATIONS



Designation	P/N	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (5Hr)	W/cell (10min) 1.6VPC at 25°C (W)	Dimensions mm (±2mm)				Polarity	Terminal*
						L	W	H	Total height		
FPH12-35W	590073	12	9	7.9	45.5	151	65	93.5	99		T2
FPH12-750W	590074	12	26	21.9	126.1	166	175	125	125		T12
FPH12-1100W	590075	12	46.5	45	185.9	197	165	170	170		T6

*compliant with fire standard EN 60950-1 on flammability and fire resistance.

*Terminals p.16

CYCLIC AGM RANGE

Robust & long cycle life

FPC Series are deep cycle batteries specially designed for long duration cyclic applications (where the battery is frequently charged and discharged). With advanced AGM valve regulated technology and oversized negative plates, the FPC Series ensure very good cyclic performance with greater depth of discharge for mobility-type applications such as medical, golf and also renewable energies storage.

GENERAL INFORMATION

- Use: cyclic use
- Technology: AGM (VRLA)
- Available voltages: 6V - 12V
- Capacities from 8Ah to 200Ah
- Cycle life:
 - Up to 350 cycles at 100% DOD* (50% capacity @20°C)
 - Up to 800 cycles at 50% DOD* (50% capacity @20°C)
- Case material: ABS UL94-HB

*Depth Of Discharge



FEATURES

- Maintenance free & non-spillable
- High cyclic performances: x2 compared to AGM standard batteries
- Over dimensioned negative plate & enhanced conception for longer cycle life
- Good recovery from deep discharge
- Lead calcium grids for superior life
- Lower internal resistance for higher current discharge
- Low self-discharge rate (about 3% per month at 20°C)
- Wide range operating temperatures
- Operation in any orientation (excluding continuous inverted use)
- Robust construction: strong resistance to vibrations
- Low gas emission due to high gas recombination of 99% (VRLA)

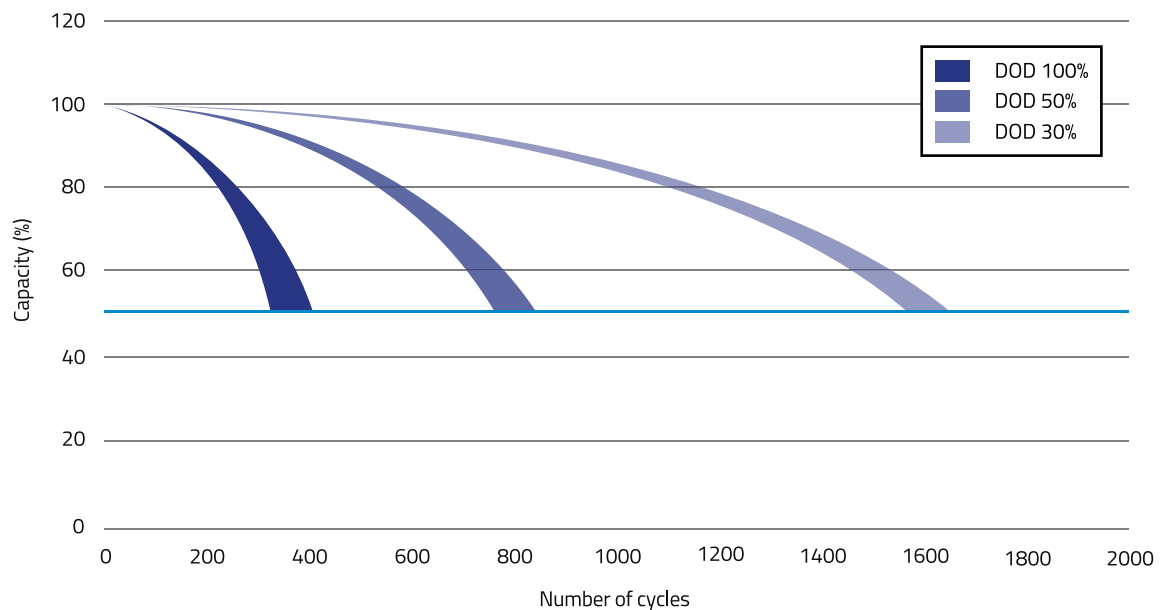


APPLICATIONS



Designation	P/N	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (10Hr)	Dimensions mm (±2mm)				Polarity	Terminal*
					L	W	H	Total height		
FPC6-13	590501	6	13.9	13	151	50.5	94	100		T2
FPC12-8	590502	12	8	7.2	151	65	93.5	99.5		T2
FPC12-13	590504	12	13.9	13	151	98	95	101		T2
FPC12-20	590505	12	20	18	181.5	76.5	167.5	167.5		T12
FPC12-26	590506	12	26	24.2	165	176	125	125		T12
FPC12-28	590507	12	28	26	166	175	125	125		T12
FPC12-35	590508	12	35.4	33	195	130	164	182		T6
FPC12-40	590509	12	40.8	38	197	165	170	170		T6
FPC12-60	590510	12	60	56	229	138	210	210		T6
FPC12-80	590511	12	80.4	75	260	168	208	214		T6
FPC12-100	590512	12	107.2	100	330	173	212	220		T11
FPC12-120	590513	12	128.6	120	408	177	225	225		T11
FPC12-160	590514	12	160.8	150	483	170	238.5	238.5		T11
FPC12-200	590515	12	214.4	200	522	240	218	224		T11

CYCLE LIFE



PACKAGING

Are delivered in color box:

- FPC12-13
- FPC12-20
- FPC12-26
- FPC12-35



*Terminals p.16

CYCLIC GEL RANGE

Ideal in harsh conditions

FPG Series are deep cycle batteries specially designed for long duration cyclic applications (where the battery is frequently charged and discharged), ie with use in charge and then intensive discharge. With innovative GEL valve regulated technology and special plate design, the FPG Series ensure higher cyclic performance and higher recovery capability after deep discharge than cyclic AGM batteries.

GENERAL INFORMATION

- Use: cyclic use
- Technology: GEL (VRLA)
- Available voltage: 12V
- Capacities from 26Ah to 200Ah
- Cycle life:
 - Up to 550 cycles at 100% DOD* (50% capacity @20°C)
 - Up to 1100 cycles at 50% DOD* (50% capacity @20°C)
- Case material: ABS UL94-HB

*Depth Of Discharge



NON-SPILLABLE



FEATURES

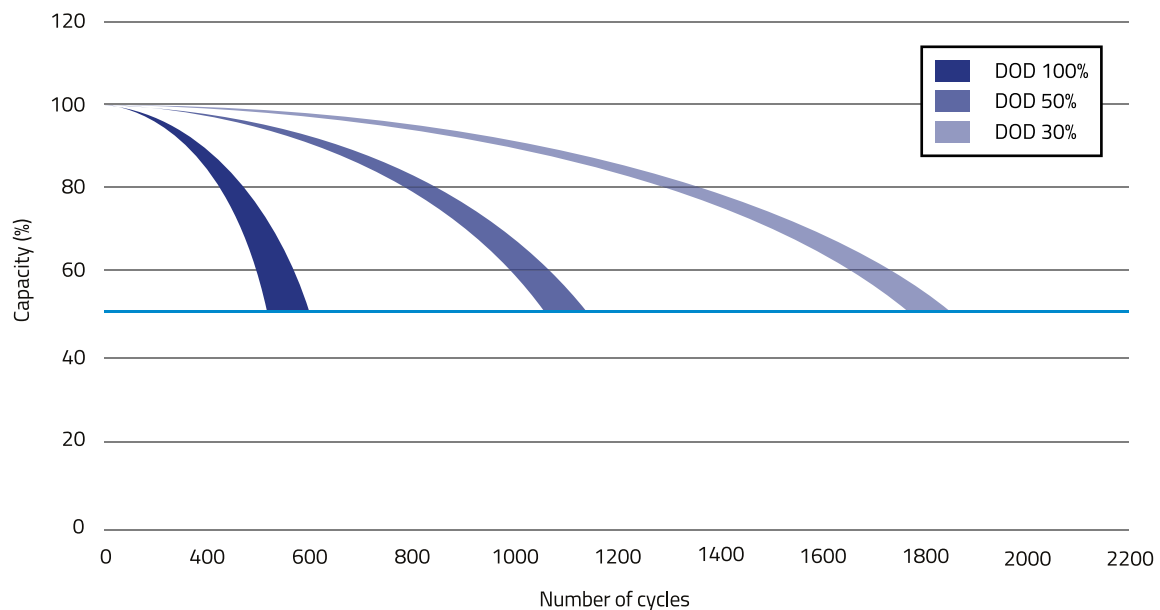
- Maintenance free & non-spillable
- High cyclic performances: x3 compared to AGM standard batteries
- High recovery from deep discharge
- Very low self-discharge rate (about 2% per month at 20°C)
- Wide range of operating temperatures - superior to AGM
- Higher operating temperature & depth of discharge: ideal in harsh conditions
- Operation in any orientation (excluding continuous inverted use)
- Rugged impact resistance
- No electrolyte stratification phenomenon
- Low gas emission due to high gas recombination of 99% (VRLA)

APPLICATIONS



Designation	P/N	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (10Hr)	Dimensions mm (±2mm)				Polarity	Terminals*
					L	W	H	Total height		
FPG12-26	591506	12	26	24.2	166	175	125	125		T12
FPG12-31	591508	12	31	27.6	195	130	164	178		T6
FPG12-40	591509	12	40	35	197	165	170	170		T6
FPG12-50	591510	12	50	46.5	229	138	205	211		T6
FPG12-60	591511	12	60	55	260	168	173	179		T6
FPG12-70	591517	12	70	64.6	260	168	208	214		T6
FPG12-85	591518	12	85	80	306	168	208	214		T6
FPG12-90 (L5)	591520	12	90	84	353	175	190	190		Auto
FPG12-100	591512	12	100	90	330	173	212	218		T11
FPG12-130	591519	12	130	125	345	172	274	280		T11
FPG12-140	591514	12	140	135	483	170	238.5	238.5		T11
FPG12-200	591515	12	200	190	522	240	218	224		T11
FPG12-250	591516	12	258	250	522	268	220	226		T11

CYCLE LIFE



PACKAGING

Are delivered in color box:

- FPG12-26
- FPG12-31



*Terminals p.16

HIGH CYCLIC LiFePO4 RANGE

High performance & light weight

FLP Series are Lithium Iron Phosphate (LiFePO4) batteries specially designed to replace lead acid batteries thanks to their standard size cases and their similar charging voltage.

The FLP Series offer many advantages compared to lead acid in terms of weight, cyclic performance, safety and power.

GENERAL INFORMATIONS

- Use: cyclic use
- Technology: Lithium Iron Phosphate (LiFePO4)
- Available voltages: 6V - 12V
- Capacities from 6Ah to 200Ah
- Cycle life:
 - Up to 2000 cycles at 100% DOD* (50% capacity @20°C)
 - Up to 4000 cycles at 80% DOD* (50% capacity @20°C)
- Case material: ABS UL94-HB

*Depth Of Discharge



FEATURES

- High cyclic performances: x10 compared to AGM standard batteries
- Lighter weight: 60% lighter than lead acid battery
- Very high recovery from deep discharge – up to 100% DOD (vs 50% to 80% for AGM)
- Very high charge and discharge current accepted (to 10 times faster than lead acid batteries)
- Protection circuit integrated (PCM): overcharge protection, overdischarge protection, temperature protection & balancing function
- Wide range of operating temperatures: from -20°C to +60°C
- Safety: non-spillable, no acid in the battery, no risk of explosion, no gas emission
- Operation in any orientation
- PSOC: Partial State Of Charge accepted
- Low self-discharge rate (about 3% per month at 20°C)
- Can be charged with a standard lead acid charger (without desulphation step)
- Power and volume ratio yielding unrivalled energy density

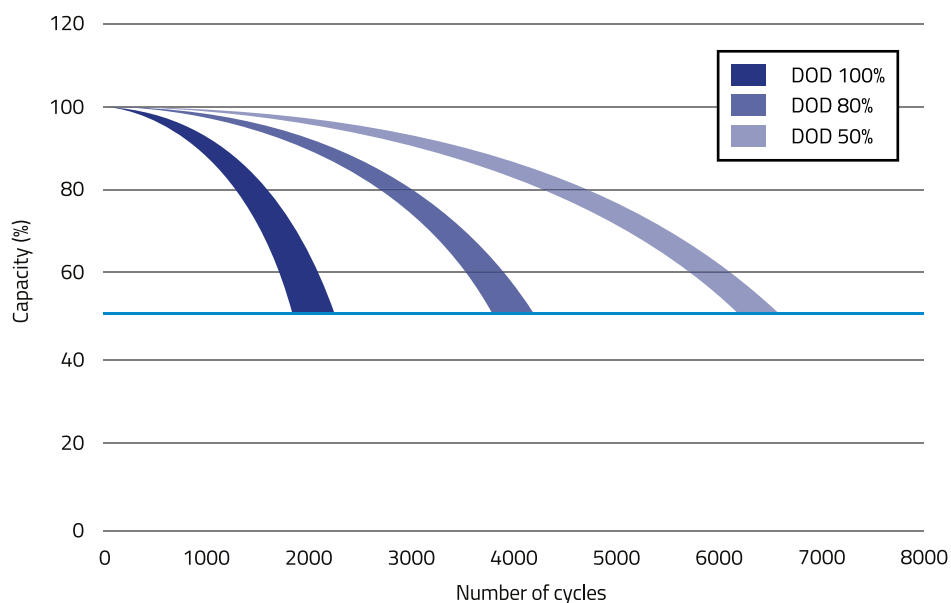


APPLICATIONS



Designation	P/N	Voltage (V)	Capacity Ah (5Hr)	Dimensions mm (±2mm)				Polarity	Terminals*
				L	W	H	Total height		
FLP6-6	592501	6.4	6	70	47	101	105		T2
FLP12-9	592502	12.8	9	151	65	94	99		T2
FLP12-12	592503	12.8	12	151	98	95	100		T2
FLP12-24	592511	12.8	24	181	77	167	167		T12
FLP12-36	592505	12.8	36	195	130	162	162		T6
FLP12-40	592506	12.8	40	195	165	175	175		T6
FLP12-65	592507	12.8	60	229	138	217	217		T6
FLP12-84	592515	12.8	84	260	169	213	218		T11
FLP12-100	592508	12.8	100	326	171.7	212	212		T11
FLP12-100B	592512	12.8	100	353	175	190	190		Auto
FLP12-150	592509	12.8	150	483	170	238	238		T11
FLP12-200	592510	12.8	200	521	233	220	220		T11

CYCLE LIFE



Fulbat LiFePo4 Battery Monitor



*Terminals p.14

MARINE DUAL PURPOSE RANGE

Non-spillable & maintenance free

FDM Series are dual purpose batteries designed to offer both superior starting and cycling performance for marine & leisure applications. Featuring a spill-proof & maintenance-free design, these batteries boast low self-discharge and an extended service life, resisting cycles with high durability. Infused with carbon additives, they function effectively even without reaching full charge.

GENERAL INFORMATION

- Use : starter / cyclic use
- Technology: AGM Carbon (VRLA)
- Available voltage: 12V
- Capacity from 79 to 240Ah
- Cycle life:
 - Up to 450 cycles at 100% DOD* (50% capacity @20°C)
 - Up to 850 cycles at 50% DOD* (50% capacity @20°C)
- Case material: polypropylene



FEATURES

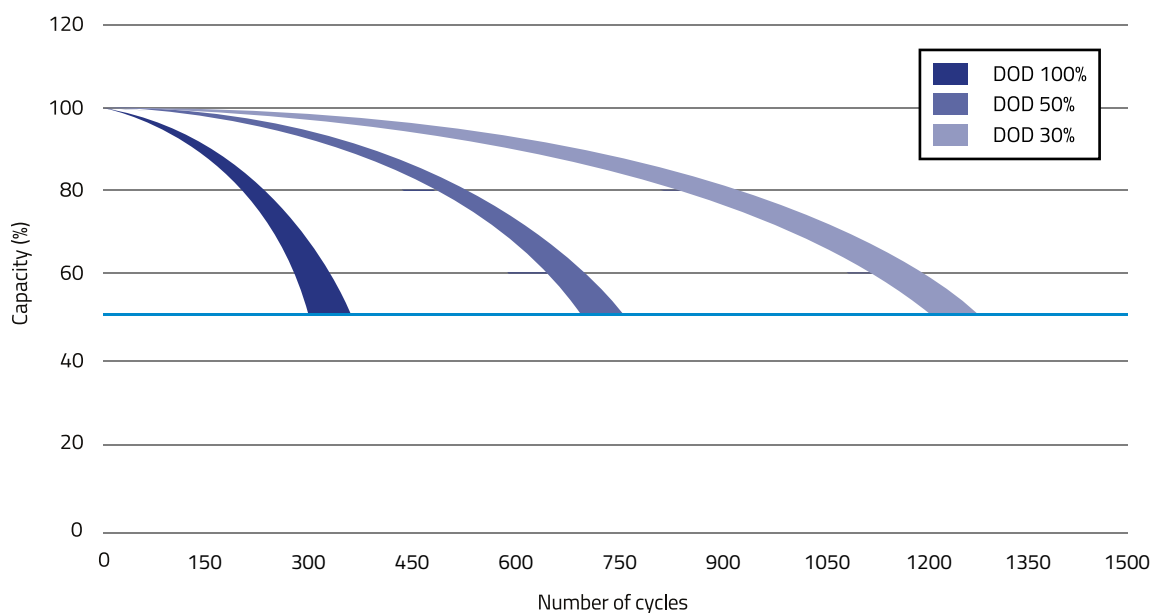
- Dual Purpose AGM technology (VRLA)
- Non spillable and maintenance free
- Superior starting & cycling performance
- Carbon additives to perform in Partial State of Charge (PSOC) and to increase charge acceptance
- High vibration resistance
- Low self-discharge rate for longer shelf life

APPLICATIONS



Designation	P/N	Box size	Voltage (V)	Capacity Ah (20Hr)	CCA (A)	Dimensions mm (±2mm)				Polarity	Terminal*
						L	W	H	Total height		
FDM12-550-M24	590516	24	12	79	550	260	168	208	233		DUAL
FDM12-800-M27	590517	27	12	92	800	306	168	208	233		DUAL
FDM12-825-M31	590518	31	12	105	825	330	173	212	237		DUAL
FDM12-700	590519	-	12	140	700	512	188	196	218		AUTO
FDM12-900	590520	-	12	180	900	512	222	196	106		AUTO
FDM12-1000	590521	-	12	240	1000	517	272	218	240		AUTO

CYCLE LIFE



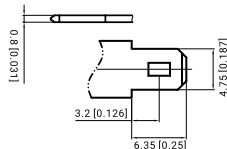
*Terminals p.16

TERMINALS & LAYOUTS RANGE

TERMINALS DETAILS

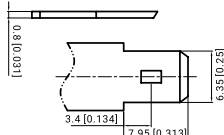
T1 terminal

Faston type (copper) quick disconnect tabs, silver coating for better conductivity



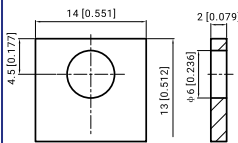
T2 terminal

Faston type (copper) quick disconnect tabs, silver coating for better conductivity



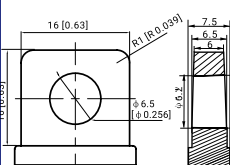
T3 terminal

Brass coated with tin



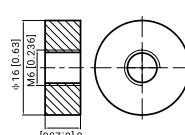
T5 terminal

Lead



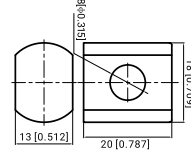
T6 terminal

Copper, Threaded Insert 6mm stud



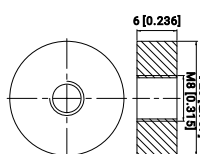
T9 terminal

Lead



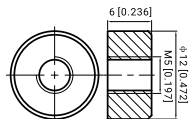
T11 terminal

Copper, threaded Insert 8mm stud



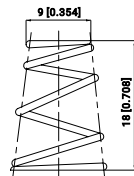
T12 terminal

Copper, threaded insert 5mm stud



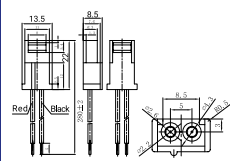
Spring terminal

Spring steel, fully collapsible



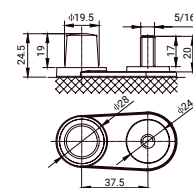
JST

Toy battery connector H-Connector



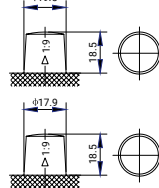
DUAL

Bolt terminal



AUTO

Lead



Bolts are included for each battery

(in mm)

3D TERMINALS

T1 terminal



T2 terminal



T3 terminal



T5 terminal



T6 terminal



T9 terminal



T11 terminal



T12 terminal



T13 terminal



JST



DUAL



AUTO



ACCESSORIES



T11 to automotive adapter



T6 to automotive adapter



T1 to T2 adapter

MAIN BATTERIES BY APPLICATION

SECURITY

Designation	P/N	Technology	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (10Hr)	Dimensions mm (±2mm)				Polarity	Terminals*
						L	W	H	Total height		
FP12-1.2	590015	AGM	12	1.2	1.1	97	43	52	58		T1
FP12-2.3	590018	AGM	12	2.3	2.1	178	35	60	66		T1
FP12-3.2	590022	AGM	12	3.2	3.0	134	67	59.5	65.5		T1
FP12-7.2	590028	AGM	12	7.2	6.7	151	65	93.5	99.5		T1
FP12-12	590033	AGM	12	12	11.2	151	98	95	101		T2
FP12-18	590035	AGM	12	18	16.7	181.5	76.5	167.5	167.5		T12

UPS

Designation	P/N	Technology	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (10Hr)	Dimensions mm (±2mm)				Polarity	Terminals*
						L	W	H	Total height		
FP6-7.2	590028	AGM	6	7.2	6.7	150	34	94	100		T1
FP12-5.4	590025	AGM	12	5.4	5.0	90	70	101	107		T2
FP12-5.5	590027	AGM	12	5.5	4.7	151	53	93	99		T2 + T1
FP12-9	590031	AGM	12	9	8.3	151	65	93.5	99.5		T2
FP12-18	590035	AGM	12	18	16.7	181.5	76.5	167.5	167.5		T12

MEDICAL

Designation	P/N	Technology	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (10Hr)	Dimensions mm (±2mm)				Polarity	Terminals*
						L	W	H	Total height		
FP6-1.2	590002	AGM	6	1.2	1.1	97	24	51.5	57.5		T1
FP6-3.2	590004	AGM	6	3.2	3.0	134	34	60	66		T1
FP6-4.5	590006	AGM	6	4.5	4.2	70	47	100	106		T1
FP6-10	590011	AGM	6	10	9.3	151	50.5	94	100		T1
FP12-1.2	590015	AGM	12	1.2	1.1	97	43	52	58		T1
FP12-2.3	590018	AGM	12	2.3	2.1	178	35	60	66		T1
FP12-3.2	590022	AGM	12	3.2	3.0	134	67	59.5	65.5		T1
FP12-7.2	590028	AGM	12	7.2	6.7	151	65	93.5	99.5		T1
FP12-18	590035	AGM	12	18	16.7	181.5	76.5	167.5	167.5		T12

MOBILITY

Designation	P/N	Technology	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (10Hr)	Dimensions mm (±2mm)				Polarity	Terminals*
						L	W	H	Total height		
FPC12-13	590504	AGM	12	13.9	13	151	98	95	101		T2
FPC12-20	590505	AGM	12	20	18	181.5	76.5	167.5	167.5		T12
FPC12-26	590506	AGM	12	26	24.2	165	176	125	125		T12
FPC12-35	590508	AGM	12	35.4	33	195	130	164	182		T5
FPC12-40	590509	AGM	12	40.8	38	197	165	170	170		T12/T6
FPG12-31	591508	GEL	12	31	27.6	195	130	164	178		T5
FPG12-40	591509	GEL	12	40	35	197	165	170	170		T6
FPG12-50	591510	GEL	12	50	46.5	229	138	205	211		T6
FPG12-70	591517	GEL	12	70	64.6	260	168	208	230		T6
FLP12-12	592503	LiFePO4	12.8	-	12 (5Hrs)	151	98	95	100		T2
FLP12-36	592505	LiFePO4	12.8	-	36 (5Hrs)	195	130	162	162		T6
FLP12-40	592506	LiFePO4	12.8	-	40 (5Hrs)	195	165	175	175		T6

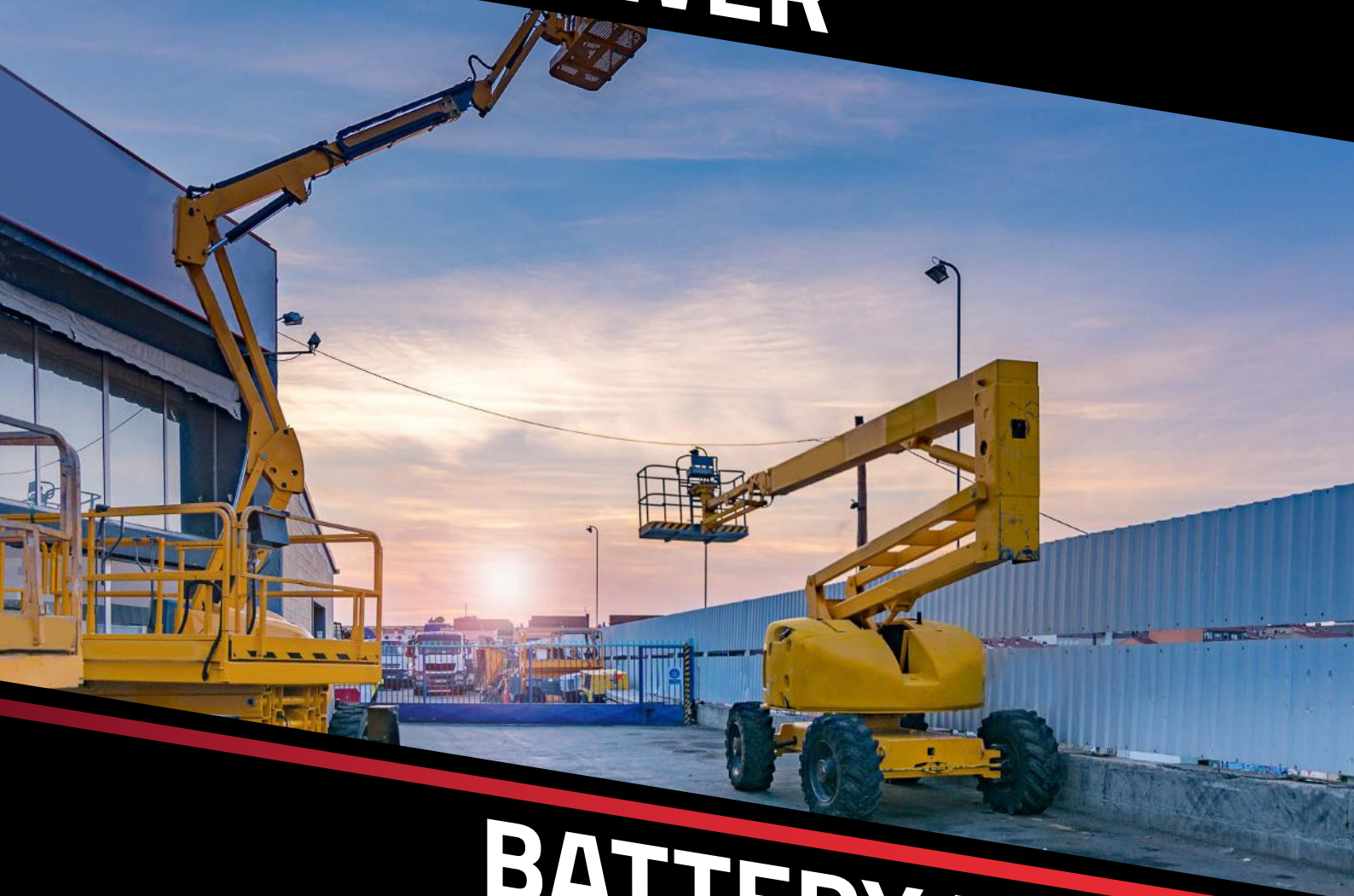
GOLF CADDY

Designation	P/N	Technology	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (10Hr)	Dimensions mm (±2mm)				Polarity	Terminals*
						L	W	H	Total height		
FPC12-20	590505	AGM	12	20	18	181.5	76.5	167.5	167.5		T12
FPC12-26	590506	AGM	12	26	24.2	165	176	125	125		T12
FPC12-35	590508	AGM	12	35.4	33	195	130	164	182		T5
FPG12-26	591506	GEL	12	26	24.2	166	175	125	125		T12
FPG12-31	591508	GEL	12	31	27.6	195	130	164	178		T5
FLP12-36	592505	LiFePO4	12.8	-	36 (5Hrs)	195	130	162	162		T6

*Terminals p.16

FULBAT[®]

MOTIVE POWER



BATTERY RANGE

FLOODED | AGM CARBON | LITHIUM



INTRODUCTION



Whether for industrial or leisure use, FULBAT Motive Power offers a complete battery solution for small traction applications that require power and high resistance to deep discharge. Including Flooded (with maintenance), AGM Carbon (non-spillable and maintenance free) and LITHIUM (maintenance free), FULBAT Deep Cycle range is ideal for applications such as golf carts, aerial work platforms, cleaning machines, marine, leisure and electric vehicles.

APPLICATIONS

FULBAT Motive Power Battery covers the wide majority of golf carts, cleaning machines, aerial work platforms, leisure and marine applications.

GOLF CART



AERIAL WORK PLATFORM



FLOOR CLEANING MACHINE



LEISURE & MARINE



FLOODED RANGE

High performance & resistance

FDC Series are Deep Cycle liquid electrolyte batteries specifically designed for small traction applications (requiring deep discharges).

With robust design made of thick positive & negative grid plates in a special alloy, the FDC Series offer low self-discharge and ensure a long service life with high resistance to cycles.

GENERAL INFORMATION

- Technology: flooded lead acid
- Available voltages: 6V, 8V, 12V
- Capacities from 150Ah to 260Ah
- Cycle life:
 - Up to 800 cycles at 80% DOD* (50% capacity @20°C)
 - Up to 1100 cycles at 50% DOD* (50% capacity @20°C)
- Case material: polypropylene

**Depth Of Discharge*



FEATURES

- Good deep discharge resilience performance
- Low self-discharge
- Low maintenance
- Polypropylene case material = shock-resistant & acid-resistant
- Terminals with special lead alloy designed for high vibration resistance
- Reinforced grid plates for optimal cyclic use
- Negative plate: 99.9% pure lead with hard paste feature, specific additives for deep cycle purpose
- Very good charging efficiency
- Lower water consumption and reduced thermal runaway possibilities
- Good performance under critical ambient temperature conditions

APPLICATIONS



FLOODED RANGE

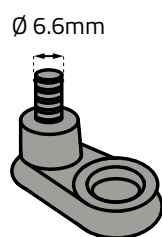
High performance & resistance



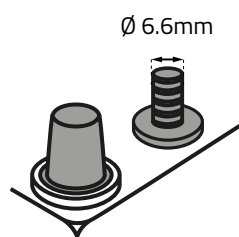
Designation	P/N	Box size	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (5Hr)	Reserve capacity (capacity minutes)		Dimensions (±2mm)				Polarity	Terminal
						@25A (min)	@75A (min)	L	W	H	Total height		
FDC-605	593001	GC2	6	210	175	383	105	259	179	245	276		EHPT
FDC-105	593002	GC2	6	225	185	447	115	259	179	245	276		EHPT
FDC-125	593003	GC2	6	240	195	488	132	259	179	245	276		EHPT
FDC-305	593037	902	6	330	271	711	195	296	176	343	366		DUAL
FDC-L16	593036	903	6	420	344	850	220	296	176	402	425		DUAL
FDC-875	593005	GC8	8	170	145	295	75	262	181	245	276		EHPT
FDC-1275	593007	GC12	12	150	120	280	70	329	181	245	276		EHPT

Watering kits available for GC2, GC8 and GC12 batteries - p.10

TERMINAL CONFIGURATIONS

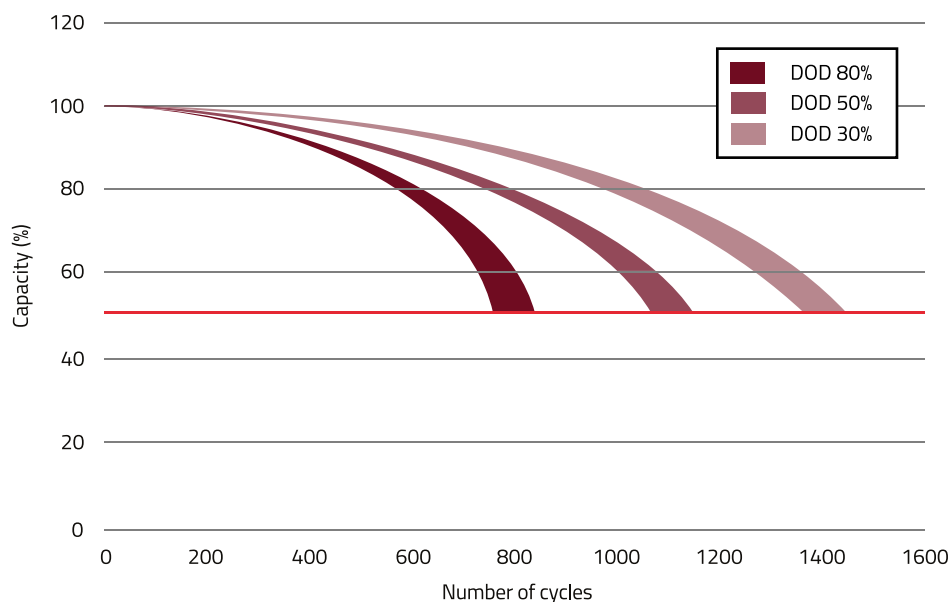


Terminal height:
38mm
Torque values:
11 – 12nm
Bolt terminal:
M8



Bolt terminal:
M8

CYCLE LIFE



TUBULAR RANGE

High discharge capability

FDCT Tubular Series are Deep cycle liquid electrolyte batteries specially designed for demanding applications requiring long service, high cycling performance and intensive discharge requirements. Built with positive tubular armor plates, the FDCT range delivers very high discharge capability and increased endurance, even under poor charging conditions.

GENERAL INFORMATION

- Technology: TUBULAR
- Available voltages: 6V, 12V
- Capacity: 120Ah-240Ah
- Cycle life:
 - Up to 1500 cycles at 80% DOD* (50% capacity @20°C)
 - Up to 2400 cycles at 50% DOD* (50% capacity @20°C)
- Case material: Polypropylene

**Depth Of Discharge*



FEATURES

- Excellent tubular plate construction with free electrolyte ensures long operating life
- Very high cycling performance: Up to 1200 cycles (EN 60254-1 / 25°C - for traction battery)
- High discharge capability
- Excellent vibration resistance
- Increased endurance even in cases of poor charging conditions
- High productivity under severe working conditions

APPLICATIONS



TUBULAR RANGE

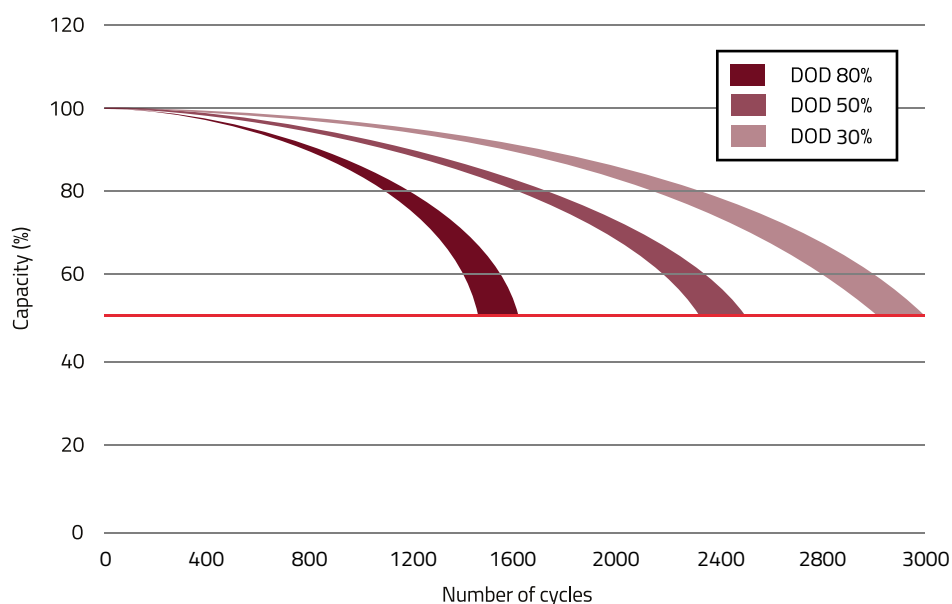
High discharge capability

Designation	P/N	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (5Hr)	Reserve capacity (capacity minutes)		Dimensions (±2mm)				Polarity	Terminal
					@25A (min)	@75A (min)	L	W	H	Total height		
FDCT6-185	593039	6	240	185	480	123	243	192	267	282		AUTO
FDCT12-120	593040	12	140	120	292	65	344	175	263	285		AUTO

TERMINAL CONFIGURATIONS



CYCLE LIFE



AGM CARBON RANGE

Non-spillable & maintenance free

FDC AGM Carbon Series are Deep Cycle batteries, maintenance free and non-spillable, specifically designed for frequent discharge deep cycle applications. With strong industrial design, FDC AGM Carbon Series are robust and ensure a maximum service life with high resistance to cycles and also low self-discharge. The carbon additive makes them perform at a high level in case of partial state of charge (PSOC).

GENERAL INFORMATION

- Technology: AGM (VRLA)
- Available voltages: 6V, 8V, 12V
- Capacities from 15Ah to 400Ah
- Cycle life:
 - Up to 750 cycles at 80% DOD* (50% capacity @20°C)
 - Up to 1400 cycles at 50% DOD* (50% capacity @20°C)
- Case material: polypropylene

*Depth Of Discharge



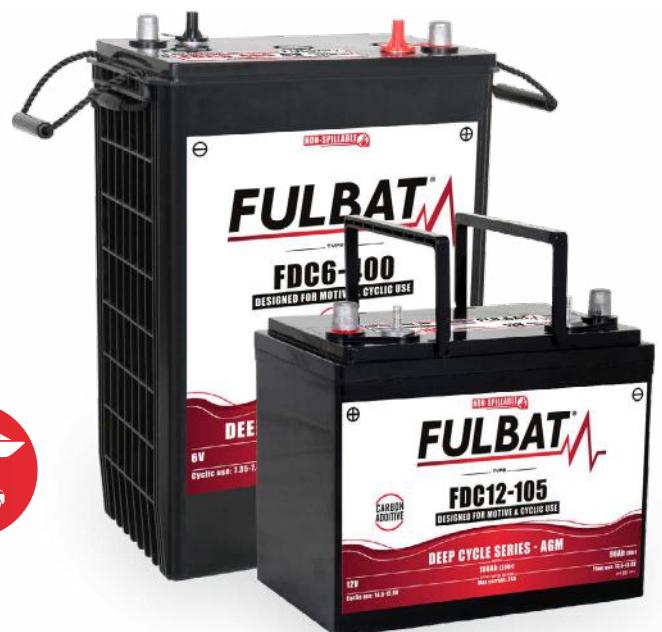
NON-SPILLABLE

CARBON ADDITIVE

FEATURES

- Non-spillable & maintenance free
- No acid handling
- Deep cycle design for high capacity and maximum life
- Reinforced grid/plates design for optimal cyclic use
- Carbon additives to perform in partial state of charge (PSOC) and to increase charging efficiency
- No stratification phenomenon
- Robust, safe & reliable
- Low self-discharge rate for longer shelf life

APPLICATIONS



AGM CARBON RANGE

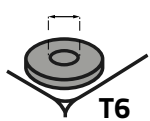
Non-spillable & maintenance free



Designation	P/N	Box size	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (5Hr)	Reserve capacity (capacity minutes)		Dimensions (±2mm)				Polarity	Terminal
						@25A (min)	@75A (min)	L	W	H	Total height		
FDC6-225	593019	GC2	6	225	192	490	135	259	180	247	253	⊖ ⊕	T11
FDC6-245	593010	-	6	245	210	530	145	243	187.5	275	275	⊕ ⊖	T11
FDC6-265	593027	GC2	6	268	230	620	165	262	180	263	268	⊖ ⊕	T11
FDC6-350	593011	902	6	350	305	820	240	295	180	346	368	⊖ ⊕	DUAL
FDC6-400	593012	903	6	400	342	925	265	295	180	406	428	⊖ ⊕	DUAL
FDC8-170	593026	GC8	8	170	145	325	-	260	180	252	274	⊕ ⊖	DUAL
FDC12-14	593022	-	12	15	13.5	-	-	151.5	99.5	95.5	98.2	⊕ ⊖	T12
FDC12-24	593013	-	12	25	22.6	-	-	181.5	77	170	170	⊖ ⊕	T12
FDC12-39	593030	-	12	39	35	-	-	195	130	167	167	⊕ ⊖	T6
FDC12-43	593031	-	12	43	34	-	-	267.5	77.5	171	171	⊖ ⊕	T12
FDC12-46	593020	-	12	53	44	-	-	197	166	170	170	⊖ ⊕	T6
FDC12-55	593033	-	12	55	48	-	-	223	123	172	175	⊕ ⊖	T6
FDC12-60	593025	-	12	68	57	-	-	229	138	216.5	216.5	⊖ ⊕	T6
FDC12-75L	593038	-	12	76	65	137	-	260	168	173	176	⊕ ⊖	T6
FDC12-75	593021	-	12	82	71	160	-	260	168	208	214	⊕ ⊖	T6
FDC12-90	593014	24	12	90	77	175	43	260	168	208	232.5	⊕ ⊖	DUAL
FDC12-90	593029	24	12	90	77	175	43	260	168	208	214	⊕ ⊖	T11
FDC12-105	593018	27	12	108	96	220	55	306	168	208	232.5	⊕ ⊖	DUAL
FDC12-105	593023	27	12	108	96	220	55	306	168	208	214	⊕ ⊖	T11
FDC12-115	593015	31	12	118	107	239	65	330	173	212	220	⊕ ⊖	T11
FDC12-145	593016	-	12	148	122	308	88	340	172	280	286	⊕ ⊖	T11
FDC12-150	593017	GC12	12	150	136	323	90	327	180	274	274	⊕ ⊖	T11
FDC12-180	593028	-	12	180	162	395	108	483	170	238.5	238.5	⊕ ⊖	T11

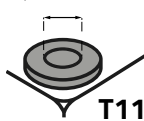
TERMINAL CONFIGURATIONS

Ø 4.9mm



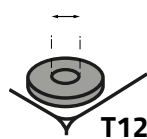
Threaded terminal:
M6

Ø 6.6mm



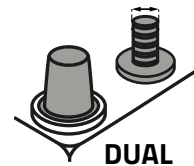
Threaded terminal:
M8

Ø 4.3mm



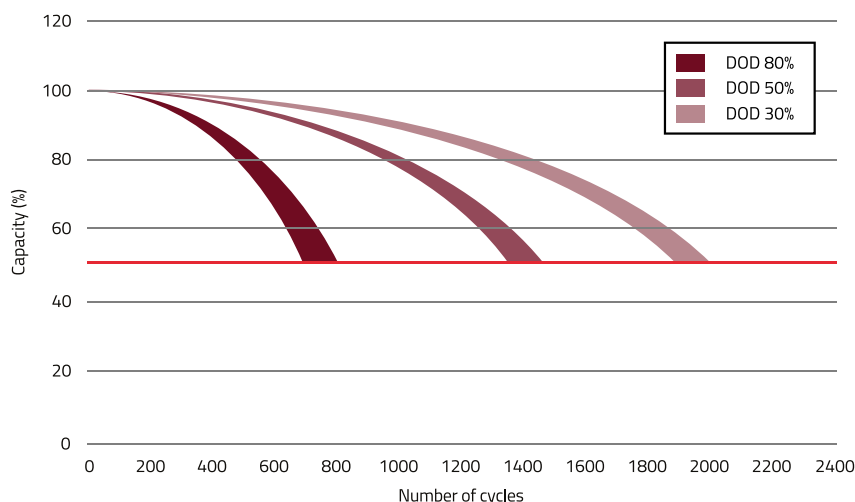
Threaded terminal:
M5

Ø 6.6mm



Bolt terminal:
M8

CYCLE LIFE



LITHIUM RANGE

High performance & lightweight

FDC Lithium Series are LiFePO₄ batteries, that offer exceptional performance. Including an intelligent built-in Battery Management System (BMS) & CANbus connection to monitor the battery's status, these LiFePO₄ batteries provide an extra layer of protection, ensuring prolonged battery life. FDC Deep Cycle Lithium Series is designed to be a long-lasting, maintenance-free, lightweight and drop-in replacement option for Lead Acid batteries.

GENERAL INFORMATION

- ⚡ Technology: LiFePO₄
- ⚡ Available voltages: 25.6V to 51.2V
- ⚡ Capacities from 30Ah to 200Ah
- ⚡ Cycle life:
 - FDC-CM
 - » Up to 3000 cycles at 80% DOD* (50% capacity @20°C)
 - » Up to 4500 cycles at 50% DOD* (50% capacity @20°C)
 - FDC-GC2-48 / FDC51-105
 - » Up to 6000 cycles at 80% DOD* (50% capacity @20°C)
 - » Up to 7500 cycles at 50% DOD* (50% capacity @20°C)
- ⚡ Case material: A.B.S. / Powder Coated Steel

*Depth Of Discharge



FEATURES

- ⚡ Smart BMS (Battery Management System) self-protects against short circuits, overheating, overcharge, overdischarge and over-current
- ⚡ Fast charge: under 4 hours
- ⚡ 2-3X the lifetime of flooded lead acid batteries
- ⚡ Acid-free design takes away corrosion, acid drips and charging fumes
- ⚡ CAN Bus Communication (optional)

APPLICATIONS

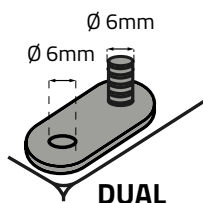


LITHIUM RANGE

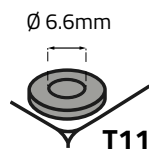
High performance & lightweight

Designation	P/N	Box size	Voltage (V)	Capacity Ah (5Hr)	Reserve capacity (capacity minutes)		Dimensions (±2mm)				Polarity	Terminal
					@25A (min)	@75A (min)	L	W	H	Total height		
FDC-CM24-100	593990	-	25.6	100	-	-	330	340	223	223		T11
FDC-CM24-150	593991	-	25.6	150	-	-	333	526	223	223		T11
FDC-CM24-200	593992	-	25.6	200	-	-	333	526	223	223		T11
FDC-CM36-150	593993	-	35.2	150	-	-	490	360	240	240		T11
FDC-CM48-200	593994	-	48	200	-	-	530	370	273	273		T11
FDC-GC2-48	592513	GC2	51.2	30	72	-	260	180	250	272		DUAL
FDC51-105	592514	-	51.2	105	-	-	500	343	268	268		T11

TERMINAL CONFIGURATIONS



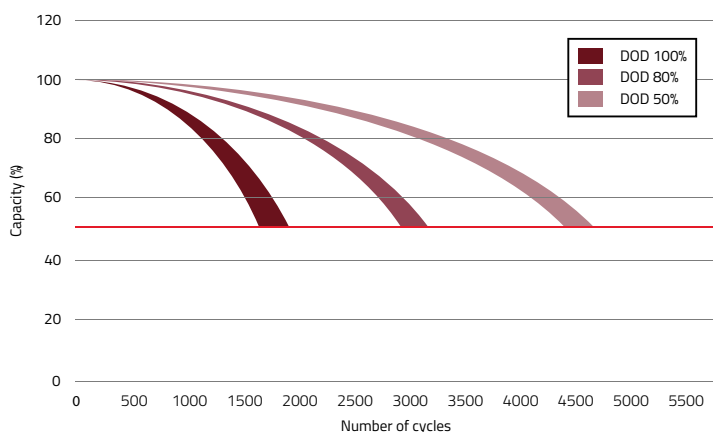
Bolt terminal:
M8



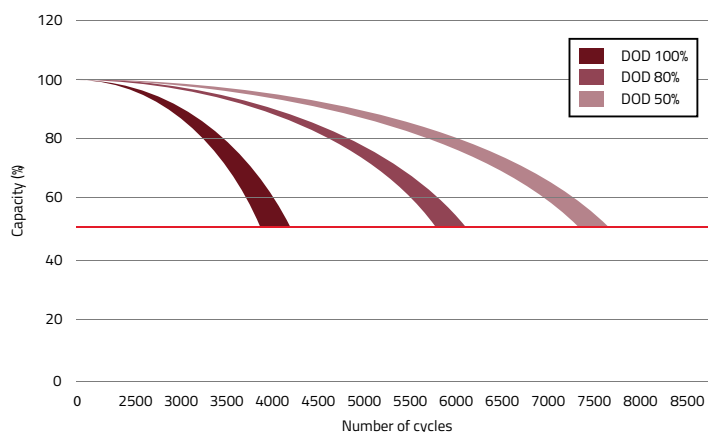
Threaded terminal:
M8

CYCLE LIFE

FDC-CM



FDC-GC2-48 / FDC51-105



WATERING KITS

This watering kit simplifies the upkeep of flooded batteries and ensures they are filled to the ideal water level! By automating the watering process, this system boosts efficiency, safety, and battery longevity. These advantages translate into both time and cost savings!

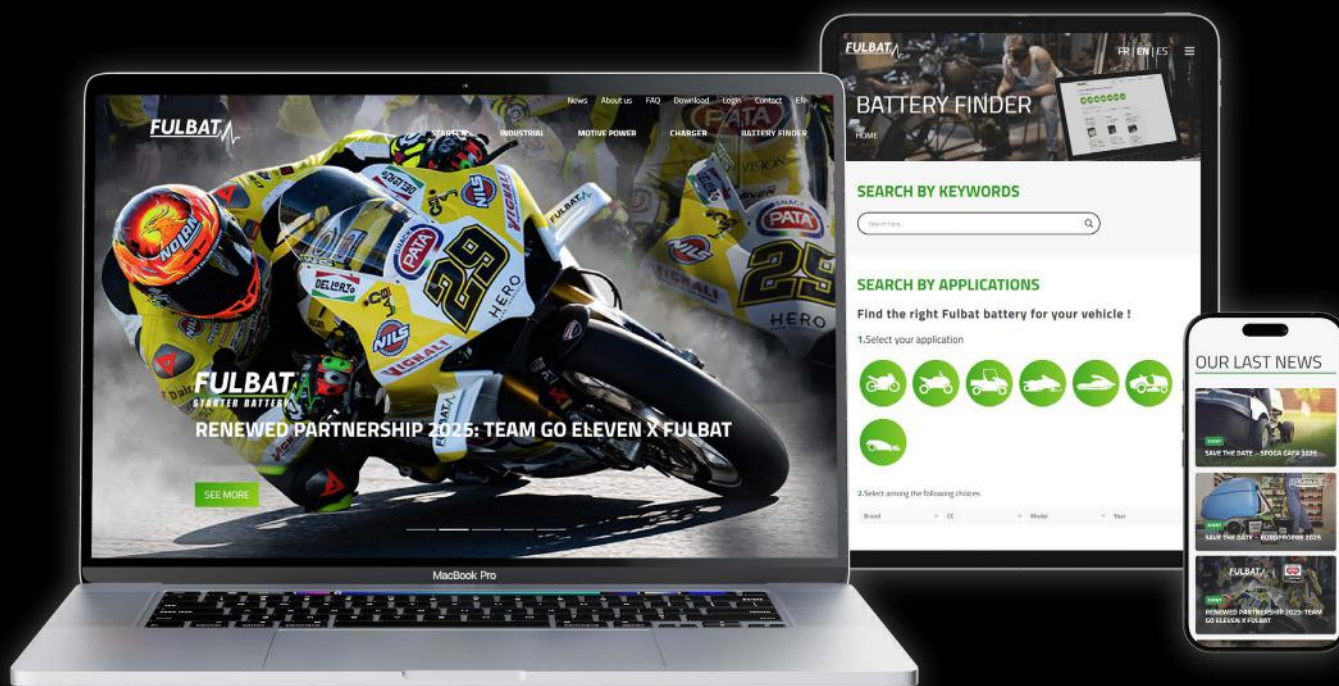


Designation	Watering kit 24V (4x6V)	Watering kit 36V (6x6V)	Watering kit 48V (8x6V)	Watering kit 48V (6x8V)	Watering kit 48V (4x12V)
P/N	750556	750557	750558	750559	750560
System voltage (V)	24V	36V	48V	48V	48V
Battery voltage (V)	6V	6V	6V	8V	12V
Premounted plugs	 x4pcs	 x6pcs	 x8pcs	 x6pcs	 x4pcs
End stoppers	 x2pcs				
All-in-one couple male	 x1pc				
PVC tube	 x1pc				

End stoppers to be placed on a 6mm tube or on an all-in-one male connector.

1. A decompression valve for the system activates when the user fills the batteries under pressure exceeding 1 bar.
2. An integrated filter can be cleaned by simply pressing on the valve inlet (when the connection still contains water).
3. A flow indicator (yellow balls rotating around the filter) during battery filling.
4. Two outlets for 6mm hose, enabling closed-loop mounting of the filling circuit on the battery.

Diameter: 6mm
Thickness: 1.5mm
Length: 3m



Visit our website for more information
www.fulbat.com