



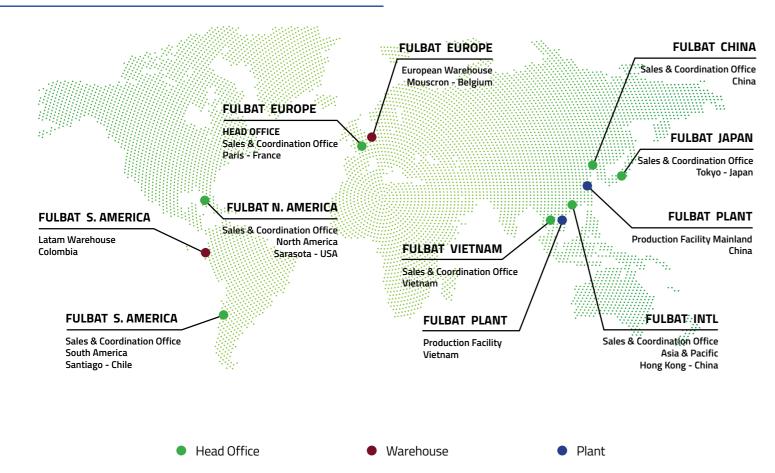
French based company, Fulbat is a leading force in the battery business, present in both replacement and OEM markets. Founded in 2005, we are constantly developing, manufacturing, marketing and selling lead-acid batteries, as well as lithium batteries and battery chargers.

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 Industrial Battery range is designed to cover all industrial 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



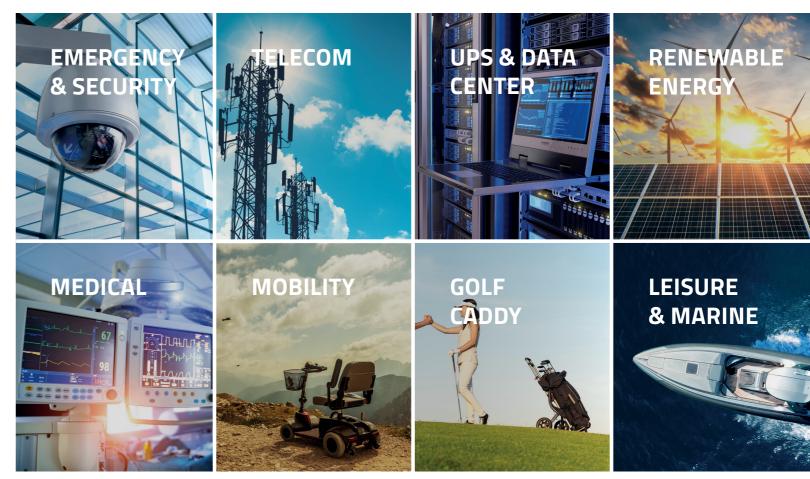
Fulbat Industrial Battery is composed of 2 types of batteries: Stationary and Cyclic uses.

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.











GENERAL INFORMATIONS

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





FEATURES

- Maintenance free & non-spillable
- 4 AGM (Absorbent Glass Mat) technology asssures 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



FULBAT

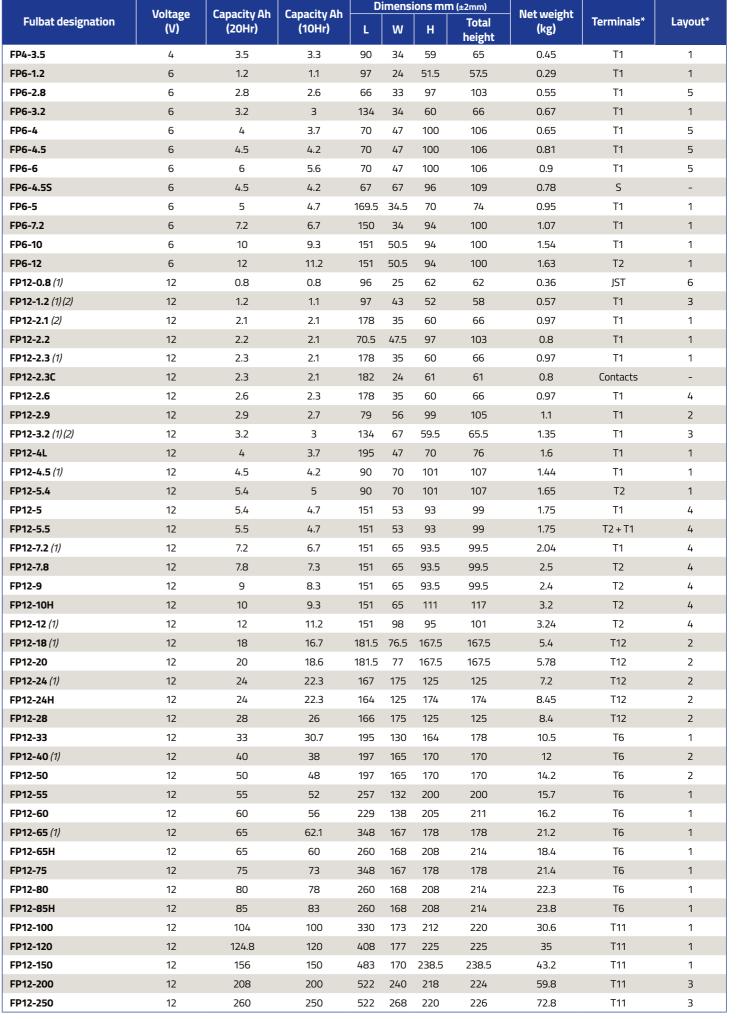








*compliant with fire standard EN 60950-1 on flammability and fire resistance.



(1) Available in FR range / (2) Available in VdS range







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.

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 INFORMATIONS

- ♣ Use: standby
- ♣ Available voltage: 12V
- √ 12 years design life at 25°C ambient temperature
- 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 asssures 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)

GENERAL INFORMATIONS

- ♣ Use: standby
- √ Technology: AGM (VRLA)
- ♣ Available voltage: 12V
- Capacities from 9Ah to 46.5Ah
- ♣ 12 years design life at 25°C ambient temperature
- in option*





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 asssures 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









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

	Voltage	Capacity Ah	Capacity Ah (10Hr)	D	imens	ions mr	n (±2mm)	Notwoight			
Fulbat designation	Voltage (V)	(20Hr)		L	w	н	Total height	Net weight (kg)	Terminals**	Layout**	
FFT12-100	12	106	100	508	110	238.5	238.5	32	T6	2	
FFT12-150	12	157.6	150	551	110	288	288	44.5	T6	2	
FFT12-190	12	202	190	560	126	320	320	57	T6	2	

**Terminals / Layout p.14

APPLICATIONS





	Voltago	Canacity Ab	Capacity Ah (5Hr)	Watts/cell (10min)	Dir	nensio	ns mm	(±2mm)	Not woight	Terminals**	Layout**
Fulbat designation	(V)	(20Hr)		1.6VPC at 25°C (W)	L	w	н	Total height	(kg)		
FPH12-35W	12	9	7.9	45.5	151	65	93.5	99	2.5	T2	4
FPH12-750W	12	26	21.9	126.1	166	175	125	125	8.6	T12	2
FPH12-1100W	12	46.5	45	185.9	197	165	170	170	14.2	T6	2

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









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 INFORMATIONS

- ♣ Use: cyclic use
- ♣ Available voltages: 6V 12V
- - Up to 350 cycles at 100% DOD* (50% capacity @20°C)
 - Up to 800 cycles at 50% DOD* (50% capacity @20°C)







- Maintenance free & non-spillable
- → High cyclic performances: x2 compared to AGM standard batteries
- ◆ Over dimensioned negative plate & enhanced conception for longer cycle life
- ♣ 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

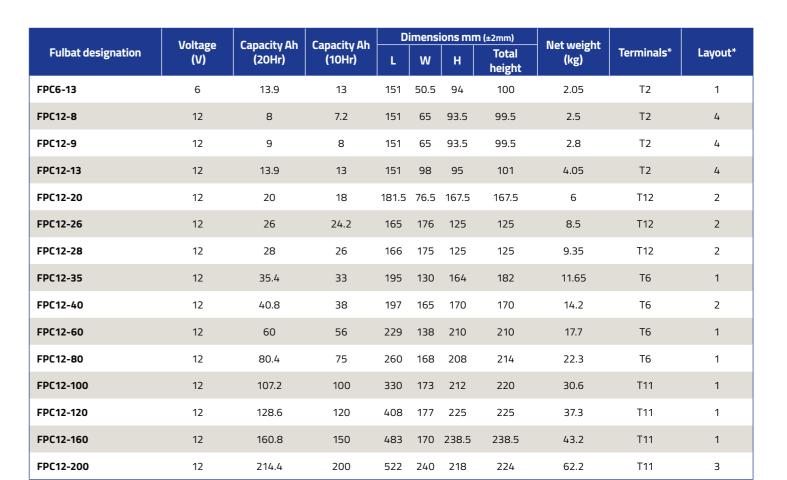




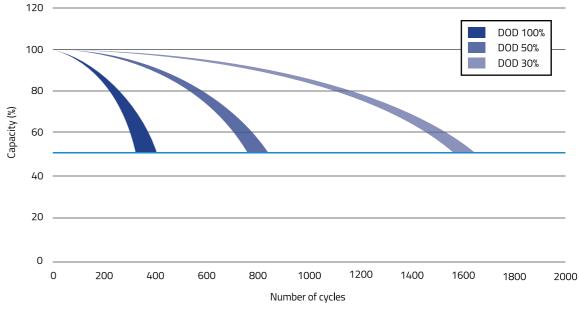








CYCLE LIFE



PACKAGING

- Are delivered in color box:
 - FPC12-13
 - FPC12-20
 - FPC12-26
 - FPC12-35













^{*}Depth Of Discharge



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 INFORMATIONS

- ♣ Use: cyclic use
- ♣ Available voltage: 12V
- - Up to 550 cycles at 100% DOD* (50% capacity @20°C)
 - Up to 1100 cycles at 50% DOD* (50% capacity @20°C)

*Depth Of Discharge







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
- 4 Higher operating temperature & depth of discharge: ideal in harsh conditions
- ◆ Operation in any orientation (excluding continuous inverted use)
- ♣ No electrolyte stratification phenomenon
- ♣ Low gas emission due to high gas recombination of 99% (VRLA)



APPLICATIONS













FPG12-90 (L5) FPG12-100 FPG12-130 FPG12-140 FPG12-200

CYCLE LIFE

Fulbat designation

FPG12-26

FPG12-31

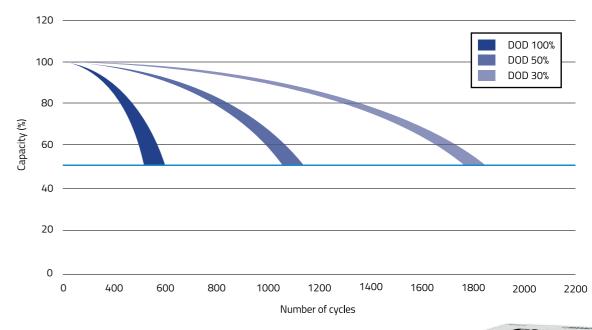
FPG12-40

FPG12-50

FPG12-60

FPG12-70

FPG12-85



Dimensions mm (±2mm)

166 175 125

195 130 164

229 138 205

260 168 208

353 175 190

330 173 212

345 172 274

483 170 238.5

522 240 218

197

260

306

165 170

168 173

168 208

Total

125

178

170

211

214

214

190

218

280

238.5

Net weight

8.5

10.2

13.2

16.6

19.5

24.5

26.5

26.2

30.8

43.9

47.3

62.5

Terminals*

T12

T6

T6

T6

T6

T6

T6

Auto

T11

T11

T11

T11

Layout*

2

2

2

Capacity Ah

(20Hr)

26

31

40

50

60

70

85

90

100

130

140

200

Capacity Ah

(10Hr)

24.2

27.6

35

46.5

80

90

125

Voltage

(V)

12

12

12

12

12

12

12

12

12

12

12

12

PACKAGING

- Are delivered in color box:
 - FPG12-26
 - FPG12-31















GENERAL INFORMATIONS

- ♣ Use: cyclic use
- Technology: Lithium Iron Phosphate (LiFePO4)
- ♣ Available voltages: 6V 12V
- - Up to 2000 cycles at 100% DOD* (50% capacity @20°C)
 - Up to 4000 cycles at 80% DOD* (50% capacity @20°C)

*Depth Of Discharge



FEATURES

- 4 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













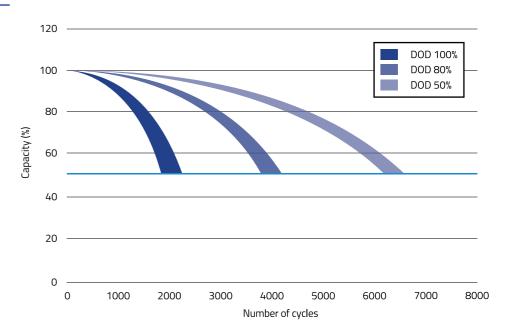






		Voltage (V)	Capacity Ah	D	imensi	ons mr	n (±2mm)	Net weight		
Fulbat designation	Technology		(5Hr)	L	w	н	Total height	(kg)	Terminals*	Layout*
FLP6-6	LiFeP04	6.4	6	70	47	101	105	0.35	T2	5
FLP12-9	LiFeP04	12.8	9	151	65	94	99	1.10	T2	4
FLP12-12	LiFeP04	12.8	12	151	98	95	100	1.68	T2	4
FLP12-24	LiFeP04	12.8	24	181	77	167	167	2.90	T12	2
FLP12-36	LiFeP04	12.8	36	195	130	162	162	4.20	T6	1
FLP12-40	LiFeP04	12.8	40	195	165	175	175	5.80	T6	2
FLP12-60	LiFeP04	12.8	60	229	138	217	217	9.50	T6	1
FLP12-100	LiFeP04	12.8	100	326	171.7	212	212	13.90	T11	1
FLP12-150	LiFeP04	12.8	150	483	170	238	238	20.20	T11	1
FLP12-200	LiFeP04	12.8	200	521	233	220	220	22.60	T11	1

CYCLE LIFE









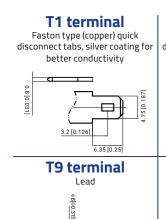




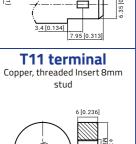


TERMINALS & LAYOUTS RANGE

TERMINALS DETAILS



T2 terminal Faston type (copper) quick disconnect tabs, silver coating for better conductivity

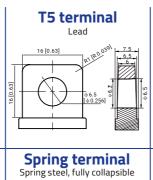


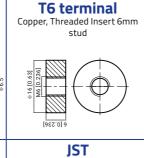


T12 terminal

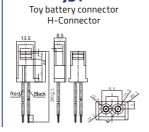
Copper, threaded insert 5mm

stud









(in mm)

Bolts are included for each battery

3D TERMINALS







T2 terminal





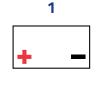


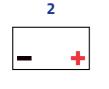


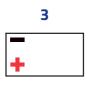


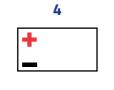


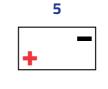
LAYOUTS













ACCESSORIES

T11 to automotive adapter













T1 to T2 adapter

MAIN BATTERIES BY APPLICATION

SECURITY											
		Voltage	Capacity Ah	Capacity Ah	Din	nensio	ns mm (±2mm)	Notwoight		
Fulbat designation	Technology	(V)	(20Hr)	(10Hr)	L	w	н	Total height	Net weight (kg)	Terminals*	Layout*
FP12-1.2VdS	AGM	12	1.2	1.1	97	43	52	58	0.57	T1	3
FP12-2.3	AGM	12	2.3	2.1	178	35	60	66	0.97	T1	1
FP12-3.2VdS	AGM	12	3.2	3.0	134	67	59.5	65.5	1.35	T1	3
FP12-7.2	AGM	12	7.2	6.7	151	65	93.5	99.5	2.04	T1	4
FP12-12	AGM	12	12	11.2	151	98	95	101	3.24	T2	4
FP12-18	AGM	12	18	16.7	181.5	76.5	167.5	167.5	5.4	T12	2

UPS											
		Maltana	Canacity Ab	Canacity Ab	Dim	ensio	ns mm	(±2mm)	Nick		
Fulbat designation	Technology	Voltage (V)	Capacity Ah (20Hr)	Capacity Ah (10Hr)	L	w	н	Total height	Net weight (kg)	Terminals*	Layout*
FP6-7.2	AGM	6	7.2	6.7	150	34	94	100	1.07	T1	1
FP12-5.4	AGM	12	5.4	5.0	90	70	101	107	1.65	T2	1
FP12-5.5	AGM	12	5.5	4.7	151	53	93	99	1.75	T2 + T1	4
FP12-9	AGM	12	9	8.3	151	65	93.5	99.5	2.47	T2	4
FP12-18	AGM	12	18	16.7	181.5	76.5	167.5	167.5	5.4	T12	2

MEDICA	\L										
		Voltage (V)	Capacity Ah (20Hr)	Capacity Ah	Din	nensio	ns mm	(±2mm)	Net weight	Terminals*	
Fulbat designation	Technology			(10Hr)	L	W	н	Total height	(kg)		Layout*
FP6-1.2	AGM	6	1.2	1.1	97	24	51.5	57.5	0.29	T1	1
FP6-3.2	AGM	6	3.2	3.0	134	34	60	66	0.67	T1	1
FP6-4.5	AGM	6	4.5	4.2	70	47	100	106	0.81	T1	5
FP6-10	AGM	6	10	9.3	151	50.5	94	100	1.54	T1	1
FP12-1.2VdS	AGM	12	1.2	1.1	97	43	52	58	0.57	T1	3
FP12-2.3	AGM	12	2.3	2.1	178	35	60	66	0.97	T1	1
FP12-3.2VdS	AGM	12	3.2	3.0	134	67	59.5	65.5	1.35	T1	3
FP12-7.2	AGM	12	7.2	6.7	151	65	93.5	99.5	2.04	T1	4
FP12-18	AGM	12	18	16.7	181.5	76.5	167.5	167.5	5.4	T12	2

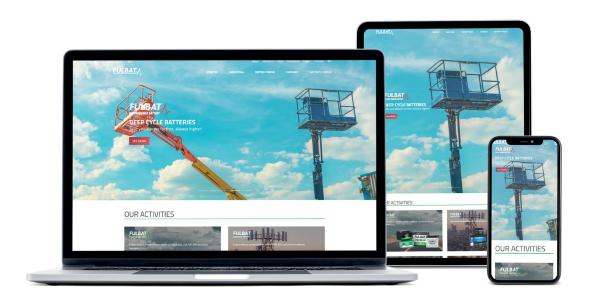
MOBILIT	ſΥ										
		Voltage	Capacity Ah	Canacity Ab	Din	nensio	ns mm	(±2mm)	Netweicht		
Fulbat designation	Technology	Voltage (V)	(20Hr)	Capacity Ah (10Hr)	L	W	н	Total height	Net weight (kg)	Terminals*	Layout*
FPC12-13	AGM	12	13.9	13	151	98	95	101	4.05	T2	4
FPC12-20	AGM	12	20	18	181.5	76.5	167.5	167.5	6	T12	2
FPC12-26	AGM	12	26	24.2	165	176	125	125	8.5	T12	2
FPC12-35	AGM	12	35.4	33	195	130	164	182	11.65	T5	1
FPC12-40	AGM	12	40.8	38	197	165	170	170	14.2	T12/T6	2
FPG12-31	GEL	12	31	27.6	195	130	164	178	10.2	T5	1
FPG12-40	GEL	12	40	35	197	165	170	170	13.2	T6	2
FPG12-50	GEL	12	50	46.5	229	138	205	211	16.6	T6	1
FPG12-70	GEL	12	70	64.6	260	168	208	230	24.5	T6	1
FLP12-12	LiFeP04	12.8	-	12 (5Hrs)	151	98	95	100	1.68	T2	4
FLP12-36	LiFeP04	12.8	-	36 (5Hrs)	195	130	162	162	4.2	T6	1
FLP12-40	LiFeP04	12.8	-	40 (5Hrs)	195	165	175	175	5.8	T6	2

GOLF CAD	DDY										
		Voltage (V)	Capacity Ah (20Hr)	Carrie at	Dim	ension	ıs mm (±2mm)	Net weight (kg)	Terminals*	Layout*
Fulbat Designation	Technology			Capacity Ah (10Hr)	L	w	н	Total height			
FPC12-20	AGM	12	20	18	181.5	76.5	167.5	167.5	6	T12	2
FPC12-26	AGM	12	26	24.2	165	176	125	125	8.5	T12	2
FPC12-35	AGM	12	35.4	33	195	130	164	182	11.65	T5	1
FPG12-26	GEL	12	26	24.2	166	175	125	125	8.5	T12	2
FPG12-31	GEL	12	31	27.6	195	130	164	178	10.2	T5	1
FLP12-36	LiFeP04	12.8	-	36 (5Hrs)	195	130	162	162	4.2	T6	1
									*Torminals /		









Visit our website for more information www.fulbat.com

DISCOVER FULBAT RANGES







Release 2022.10







